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tttctgtgtc tgccatgctg gccagtatgg atgaaaagcc tgataaacct aaaaagggtcc 180  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958362H1

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ttcagcagtt ttcagggata aatgggggtc tatattacac acctcaaata cttgaagagg 180  
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<223> Clone ID: 700958363H1

<400> 18563

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gggcctttga tcacatcaaa tacctcaatg gtggttctga gattcagctt catcttgata 180  
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acata 245

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<223> Clone ID: 700958364H1

<400> 18564

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 taccacaagt gctcctggag cagttcctgg tcccacaact aatttaaata taggaatgga 180  
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<210> 18565

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700958365H1

<400> 18565

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 ggctcgacgt tgctattgac atgggtaatc catttctcaa tctcactgtt gatggtttcc 180  
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<210> 18566

<211> 242

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700958367H1

<400> 18566

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 agtaatatgg ggtcatagaa ctgtttatca gaggcagcaa atcagaagag tctatgagga 180  
 aattttccag gaggatcttg tgaaacgcct agagtctgag atcaaaggag actttgagaa 240  
 ag 242



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<223> Clone ID: 700958329H1

<400> 18567

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 acacactgta agcaggccga catcgacttc agagggcatg aggagatctg ctctgaatct 180  
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 tctt 244

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 <213> Glycine max

<223> Clone ID: 700958369H1

<400> 18568

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 aatgagcacg gtactatcga tatgtatgaa tgaataatat atgtctggat gaagattcgt 180  
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 <213> Glycine max

<223> Clone ID: 700958370H1

<400> 18569

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<223> Clone ID: 700958304H1

<400> 18575

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 ttggcctggt ctttcataga tctgatgcat ggaggctcag atctactgta cagaggtgtg 180  
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<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700958305H1

<400> 18576

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 aagtgtctac agcagtggct cctgccaaaga atttgtctag cttggataac atcgatcctc 180  
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 ggcaggcaaaa 250

<210> 18577

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700958307H1

<400> 18577

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 aagcccaagc tgatgaagcc cataaaattg ctcttgattc ctatgtccca gagccccacg 180  
 atgtcgccca tgaactcaat ttccatgttc atatggcact ggaaaactcc acaaggaggg 240  
 aactaagg 248

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<223> Clone ID: 700958308H1

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 catcttctcc gactacctta aataataggt ttccttcccta tctaattcc aattccaatt 180  
 ccaacaccat ctcatgatcc cttcaaacac tccacttccc caaaaagtac caacgaacct 240  
 ccacaaccac 250

<210> 18579  
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 <212> DNA  
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<223> Clone ID: 700958309H1

<400> 18579

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 cttatcgctt ggtagaagag attccaaaca tgggaaattc cagttgtgtg agcaaggagc 180  
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 aagctgac 248

<210> 18580  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958310H1

<400> 18580

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gcaaccatag gctcgagcg taag

144

<210> 18581  
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<212> DNA  
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<223> Clone ID: 700958311H1

<400> 18581

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agccttgta ttcctgtaat atccaccact gttgcagatc agaagaacta ctacacccca 180  
gatccacatg ctggaagtcc cccacaggt ttctccgatt ctctgtgctc acacaatagt 240  
agt 243

<210> 18582  
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<223> Clone ID: 700958312H1

<400> 18582

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aacagatggg atttgggatg ttttatcaaa tgaagaagtt gtggacattg tagcacctgc 180  
tccacggtct agtgctgcta gagcactggt tgagtcagct gttcaggcat ggaatacaaa 240  
atatt 244

<210> 18583  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958313H1

<400> 18583

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<223> Clone ID: 700958316H1

<400> 18586

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tcaaagtgtg tccaaattgc ttgtttatat cttgaggtat tgactctttt ctgcaatgaa 180  
atctatatatt gattgaagta gcggctattg ggagtcatag caagccacac aagaacatga 240  
gtatccatat ctat 254

<210> 18587

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700958318H1

<400> 18587

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cattgaggc 129

<210> 18588

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958319H1

<400> 18588

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aatgtgaaca caggggattt gcactgctat cgcgagctac acttctgttg cataatgggt 180  
ttgttttatg agatatgtgc ttctacactt aacctatggg gaccatgtgc gtgctgcctc 240  
tgtgctg 247

<210> 18589

<211> 249



<212> DNA  
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 <223> Clone ID: 700958320H1  
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 accgtgccag gattcggttg attaatacagg acaagaacaa atataacact ccgaaatacc 180  
 gatttgttgt tcgcttttagc aacaaggaca ttgttgacaa aataatatct gctagcattg 240  
 ctggcgata 249

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 <223> Clone ID: 700958321H1  
 <400> 18590

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 attccaatca aaaccaaccc caccatgccc acaaaattaa gtcacaaat taaagcaccg 180  
 atgatcctca atttgatcct tgtgcttatt tgtgtcacta ctccaatcaa aggtgagaaa 240  
 tcaaggaa 248

<210> 18591  
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 <213> Glycine max  
 <223> Clone ID: 700958322H1  
 <400> 18591

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 ggtttgcacg gctgggcttt taccctgact aactttgcc aagatgtatgc atctgagttt 120  
 ggagttgatg aaggaaaaat gatggaaagg ctctgggggtg aaaacttctt tgatccagcc 180  
 acaagaaat cgtccggcaa gaatcatggc tctgctacct gcaagcgtgg gtttgttcag 240

ttctg 245

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 <213> Glycine max  
 <223> Clone ID: 700958324H1  
 <400> 18592

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 acctgcctcc gccgatcctc ccccgaggga gaaggaggag accaaacctg aagccaaggc 180  
 taagaaaacc aaggagccca aacctaaaaa ggtttccaga cctcgcaacc ctcccactca 240  
 tccttcct 248

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 <213> Glycine max  
 <223> Clone ID: 700958325H1  
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 atatcttctt aaaggcagct gggtatcttg actgtgctgt aaggcatgtt cttccacagt 180  
 tgcctggcga actgaggaga aacttaccag tggatctcac agaaggagtt cttggagcac 240  
 tct 243

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<213> Glycine max  
  
<223> Clone ID: 700958327H1  
  
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cg 242

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<400> 18596

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ttgatttttg atattgtgtg taaaacaagg gcagttgtga aaattccacc aaatgtttca 180  
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ttg 243

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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958249H1  
  
<400> 18597

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 caactggagg ctattttgga ccctgtgat ttcctcgctc tgcaaaacat tcgtaaagct 180  
 ctgcaagaca tgctgttc cgatttcttc tcttctggg atttcaccgc agacccatgc 240  
 aacttcgccg gcgtttac 258

<210> 18598  
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 <213> Glycine max

<223> Clone ID: 700958254H1

<400> 18598

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 ttaccacctg ttcaacgcac cttcttctat gaatttctc acccaacca tctcttcttt 180  
 gatacccttc ttcccaaact caaacactct ctttctcttg cacttgccca ctttttccct 240  
 cttgctggac acc 253

<210> 18599  
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<223> Clone ID: 700958257H1

<400> 18599

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 ccgttcaacg ccgacgggtg ggggtccgcc gacaacgcga cctcaggcag caacaacaac 180  
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[illegible]

<400>	18600
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<400> 18601

<210>	18602
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<400> 18602

8017

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253

<210> 18603  
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<223> Clone ID: 700958263H1

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accatgataa tttcaggaaa tgacaaacta tgygccaatt actccattaa tcaggtaact 180  
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tcagaatgtg agaa 254

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<223> Clone ID: 700958264H1

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acttccattt cacaagaggc tttaaaacc gaacccctg aaattgctca ggaaaatcag 120  
tattcatttc catcacattc tcatggattt aattatgaaa atgccaaca gccggaggtc 180  
ccatttcctg tttcacagac cagctcacag aatcagaatc ttgctccctt ctctggtgta 240  
atgcaggcac atacaaatc tttgccc 267

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958265H1

<400> 18605

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catgtgcctc gaaatcgagg tttctgaccg gctcttccgg taaactcaac cggaagtga 120  
 ctatgaggcc aatggggtgc cctccttctg cctctttcaa ggttgaagcc aagaaggag 180  
 agtggttacc tggcttggcc tccccaactt acctcaatgg cactcttctt ggtgacaatg 240  
 gatttgaccc tctgggac 258

<210> 18606  
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 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958268H1

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 acaaccacta ttgcgtagct ccaaattttt atatctagct ctttcttatg ctagaatttg 120  
 attcctcttc attcttcaac aactccaatg tattccttag cccaacacaa gtacatacca 180  
 cgcttcacc tccaagcttg caagaaccac ccacccacc acccatcgtc tccagtgttt 240  
 tgttccacca caacc 255

<210> 18607  
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 <212> DNA  
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<223> Clone ID: 700958269H1

<400> 18607  
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 agcctcaaat gaatcccatt tttatgttct catcactttg gaggcagtcg tggacaagct 120  
 tgggtggattt ttaaattccat atctcacaaa tatcatggag cttctgggtgc tttatcctga 180  
 atatgtttca ggagtagatg caaaagtgga gtctagagct catggagtac gaaagcttct 240  
 tgctg 245

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<213> Glycine max

<223> Clone ID: 700958270H1

<400> 18608

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 tttctctcat cctggtgggt ggagtggcca taggtgtggt ggtggccgct aacaagaagg 180  
 gcgaggatcc cacacttcaa tctcaacaaa aatcagtagg ggttatctgc caaaacactg 240  
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<210> 18609

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700958271H1

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 caaccccgcc tggcctctgt tttgtgatcg aaagccataa aaagttgttt tcgatcacia 180  
 cctcaatcgt attaagctgt tgttgcctcc cgtcgtcaat ttcgaatatt gaaagggttt 240  
 agttgttgat t 251

<210> 18610

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700958272H1

<400> 18610

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 ttcttgaact ccgacttctt caagacctcg agaacaatga tgaatgtagg aaaaatggga 180  
 gcctgaaaag gttaaatgac cagagtgatg tctgtggatt tagaagttgc ttcaaaaatc 240



0053143-032200

attatgattc g

251

<210> 18611  
<211> 251  
<212> DNA  
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<223> Clone ID: 700958274H1

<400> 18611

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tactaccaac tagggttttt gtcattggcta gtttgcaaac tagggttttt ttgatggccc 120  
ttctgtgcct gctggctctt ggtgtcaacc attattccaa tggcacaagg ggaagtgtca 180  
tgtggccaag ttgtgagtaa cctgacccca tgcattctct atgtgtctata tgggtggagcc 240  
acgggttcctg c 251

<210> 18612  
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<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700958275H1

<400> 18612

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atcaaccctt ccaccaaca catgatacag ggntatccca gcagctacta aggaagacgt 180  
tgatctcgct gtcgctgccg ccaaagctgc cctctcccg cacaagggcg ccgattgggc 240  
tngggcttcc ggc 253

<210> 18613  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958276H1

<400> 18613

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<223> Clone ID: 700958281H1

<400> 18616

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 tgacatcaca aaccgtaccc tttttgttta ttcttcttgt gggttttcaa ttcgtgcaaa 180  
 tttctgcgac acccagatgg attttgcgct gaatccgtgt cctttgcat cttctacgtt 240  
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<210> 18617

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700958282H1

<400> 18617

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 ataaattaca acaacttaaa cgatggcagg aggagcttat gtagattcgg gaaatgcaaa 180  
 gcaatttgat gggaaggtea cggcattcgt attggttaca tgctttgtgg cagccatggg 240  
 aggcttactc tt 252

<210> 18618

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958283H1

<400> 18618

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 ccacgagtgg tcgcgagtac aaggtaagg acctttccca ggccgacttc ggccgcctcg 120  
 agatcgagct ggccgaggtt gagatgtccg gcctcatggc ctgtcggacc gagttcggcc 180  
 cctcccagcc cttcaagggg gcccgcatca cgggtccct ccacatgacc atccagaacg 240  
 ccgtttctcat tga 253

<210> 18619  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958285H1

<400> 18619

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 tcgagagcag tgctattggt ggctatgtgt gtgcttccgg ccatgggtgt ggccattcgc 180  
 ccagcaaaga accctttttg cgtgaagggt cgcgtctact gtgacccttg ccgtgctggt 240  
 tttgagac 248

<210> 18620  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700958286H1

<400> 18620

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 attacaacaa cgtcacacaa gaccatgacc atggccatgg ccacgatcct gctcctgttc 120  
 acggtcttcg cggtttcatc ggccctagac atgtcgataa tctcgtagca caacgccccac 180  
 gccgccacgt cgcgcagact naggagctga tgtccatgta cgagcagtgg ctagtaaagc 240  
 acggca 246

<210> 18621  
 <211> 123  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958287H1

<400> 18621

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gtttttgttg tccttcgtca aataccgtaa aaccttcaag aatccaccac ttccaccagg 120  
tcc 123

<210> 18622  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958248H1

<400> 18622

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aattcctggg gttttcaatg gtgggtgcatg gcaggggtgcc cacgccactt tctacgggtg 180  
aaatgatgcc tctggaacaa tgggtggggc atgtgggtac gggaacctat acagccaagg 240  
gtatggcgtg aacacc 256

<210> 18623  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958212H1

<400> 18623

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ctttataacc ataaagtgcc ttcttttttc ttcaccacca ctccattact ctcttcacac 180  
tccacacaca cacacatata cacctctagc ttgtgtttga gattgaggaa tataagaaaa 240  
tgaaaatggg taaagggatg 260

<210> 18624  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958214H1

<400> 18624

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 tcggaccttt ttcgcttctc gattcgcttc cgtagccggg cgatttgagg acccagaaaa 180  
 gaacgaaccg aacgttttat attttttcgg ataatacaac gaagatgtct cgttgcttcc 240  
 ctttcccccc tcttggtga 259

<210> 18625  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958216H1  
 <400> 18625

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 ctgcaattga tgagaatcac cagggtactt atgacttcct ctacttgcca attgacttca 120  
 agaataagtg taatgtgggt tatgctttta tcaatatggt gtctccttca cacatcatcg 180  
 ctttctacaa ggcctttaat gggaaaaagt gggagaagtt caacagtga aaggttgctt 240  
 cactggcata tgcacggata c 261

<210> 18626  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958219H1  
 <400> 18626

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 atggcacaat ctcaggggtt ctaccggaac ctcaaggatt tatggtgcac tatcctgctt 120  
 atccatcatc catctctcga gctgttgata ctcttggggg aattcaagcc atccagaagg 180  
 ctcgctgttc caaatccaac aaattacagc ttcgtttccg tctgaagac ccctattctc 240  
 accctgcatt tggggagctt c 261

<210> 18627  
 <211> 256  
 <212> DNA

**067**

**067**

**067**

**067**

**067**

**067**

**067**

**067**

[illegible]

**067**

**067**

[illegible]

**067**

**067**

**067**

**067**

[illegible]

**067**

**067**

tgttttcagt gttgtctg

258

<210> 18630  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958226H1

<400> 18630

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ggcatcatct attccaagag cactagtttc aattatttta agattgccaa gacttaaatt 180  
tgctattgta actttgggaa aagatggctg cataatgctt gagcgatgtg tggatgatga 240  
aggttctcac atag 254

<210> 18631  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958227H1

<400> 18631

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ctttacttgt gtactcttac aaaacaggaa tttgcttaaa gtttaagggt gtgtttctgc 120  
ttttgttttt tcttggtttt ctttttaagg accaaagtta tacttttagag gaaattatgt 180  
tagatgtgga tgcttggttg ttagtatttt atgcaagagc cttgtacttt tcccgggtaa 240  
ccacttgtca ctgac 256

<210> 18632  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958228H1

<400> 18632

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tgtcaacata aatgcttata atcaacctgg tttaggcaat atggcttgtg ggagaggtat 120  
 gctgaattgt atccaaatga agacctagtt tacactgttg gcattagtga ctacagaaaa 180  
 gattggttct ttgcacaggt taacaggaag aaagacaatg gcactgacat aggaaccaca 240  
 tggcaaatta atttcaa 257

<210> 18633  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958229H1

<400> 18633

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 ccaattgcc a tagtcaccaa ccaattaaca aaggtatata tatcatcata tcatcaccaa 120  
 atgaaaaata ttgggttgtt ttttcttgtg gtggtggcta cttttgtggt ggcagccaca 180  
 gctggtagct tttaccaaga ctttgaaata acgtgggggtg gtgagcgtgc caaaatctat 240  
 gagaatggaa acct 254

<210> 18634  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958230H1

<400> 18634

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 aattagctta cacctggagt caacgtggtg ctactgcac tagatgcctc gacaggtatc 180  
 caagcactgc acgcactcaa ggactacggg tctatctgag cttgtactga atcatcaagc 240  
 tgatgtggct gatgc 255

<210> 18635  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958231H1

<400> 18635

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 ccttatagca ctaattggat caactcaagc tcaattgcag cttggtttct atgccaaaag 180  
 ttgtccaaag gctgagcaaa taattctgaa gtacgttggt gagcatatcc acaacgctcc 240  
 atcactagca gctgctctc 259

<210> 18636

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700958232H1

<400> 18636

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 ggttccttca tccgagtggg ggtacatcaa gtgccactgc cccatcacag actcctggtg 180  
 caactatagc acctagtctg agtagccaac caacaactgc ttctatagtg cctgtttttg 240  
 atttctacag tggctcttcc 259

<210> 18637

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700958234H1

<400> 18637

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 cacaataccc ttcaggaaca ccgatgtcac caatttcaca tcttgtgggt tttagttgga 120  
 tgttttcaag ggtttgattc tagggttact tatgcagttt ttgggaattt tggctcagtt 180  
 gagatctctg tgaaacgggt ttggaaaatt ttttgatctt gaggtttatg agattttaac 240  
 tgtggaagaa agatggtgg 259

<210> 18638  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958235H1

<400> 18638

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 ttttctgttc ttctctgggg atctgaagac atgcagtcga agtctgaaac tgcaaatacgg 120  
 ctgaggtcag atcctcattc ctttcaacct ggcggtgttt attctgagcc ttggtggcgt 180  
 ggtattgggt acaatcccat ggcccaaaca atggctgggg caaatgcgtc caattcgtca 240  
 tctcttgaat gcccta 256

<210> 18639  
 <211> 255  
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 <213> Glycine max

<223> Clone ID: 700958237H1

<400> 18639

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 ttctgttttt gggaaattgc ataataattc ctttctgttc tttcatttca tctactgtgc 120  
 cacgcgttat acgtaaacga aatacggggg aacgagtga agaagaaga gaagaagaag 180  
 aatggtgatt ataaaccttg ggaagaaga gagcgagaga gaaggaatgc gacttgggaa 240  
 atacgagttg ggtag 255

<210> 18640  
 <211> 129  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958239H1

<400> 18640

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 atgctcatgt tgatgccgag tccaatgtaa ttgatttcag ttaccttgaa ccacctccac 120

acaacatac

129

<210> 18641  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958241H1

<400> 18641

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 aatgtcttca agagtgcaca aagggatcgc attttctttg ctaataagac atatcttcca 120  
 aatgaaactc caactccact agtgaagtac agaaaagaag aattggaaaa tctaagagga 180  
 gatggaaaag gagagcgcaa ggaatatgat aggatctatg attatgatgt ctataatgat 240  
 ttgggtaacc cagaca 256

<210> 18642  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958242H1

<400> 18642

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 ctccgaagat gacgtaatca tcaagcacag gcttctcacg cgcaccacca ccaccagggg 180  
 cgacctccc ttgaagaagc ttcagaagaa gttcacctcg ttcgtctccg aagtggacaa 240  
 ggacgaagac aacaa 255

<210> 18643  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958243H1

<400> 18643

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gaaggccgctc gttcacggcg atgaaaacct attcaacagc taccagaat tgcaagatgc 120  
 cttggtttgg gtctactttc actcaatcat tccagaattc aacaagggtg aatgttgggg 180  
 cccactgaag gaagcgtcac acccacaggt ggggtccagg aggaggggtt ggcaattcca 240  
 cagccatgcc aag 253

<210> 18644  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958245H1

<400> 18644

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 ccgccagctc taccgctgct tcgcctccac cagcaccatg ttctgtggg cctctttttt 180  
 aatcgccctc accgcttcat atctcagctt ccaaggcttc gttgattccg gcagccgcta 240  
 cctctccgcc tcct 254

<210> 18645  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958246H1

<400> 18645

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 atggaggttg gagggctcta gatgaaggaa catcagtcac caatgaatcc atatgggtggc 120  
 aggatttaag gtcagtcac catgaacaag gtgtgcaggc cttgcttcaa tctgcaatag 180  
 agtggaaaagt ggggtgtggg gatgaagtaa ggttttggga ggactgctgg cttacagatc 240  
 aggaatccct aagg 254

<210> 18646  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958247H1

<400> 18646

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acggtggggc gctccgcata ggataaaccg ccgcagaggt cgctgttttc gagattttcc 120  
ttttggtacc ctttggaatc tctctggcct cgggggaaca acagcaggta caaggggttg 180  
gccctcgacg acgccgtttt gtcggacaac aacgccgaag cgaaggccgt tggagatgac 240  
ggaacggaac ggcag 255

<210> 18647

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700958211H1

<400> 18647

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gaccattctc ttcttcttct ttttcttctc ctctctctct ctccctccg ccattggctga 180  
ggataaggag atgtctacct ctgtcatcaa tgggaatgat tccctaactg gtcacatcat 240  
atctacaact attggagg 258

<210> 18648

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700958177H1

<400> 18648

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taaaaaggca tcttaccggt gaatatgaga 150

<210> 18649

<211> 258

<212> DNA  
<213> Glycine max

<223> Clone ID: 700958178H1

<400> 18649

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tcagattgta tgaagatggg ggctgggtggc cgaactgctg ttctctctgc caacaggaag 120  
tcagaggctg accctttgaa gcggttacca ttgaaaaaac ctcagtttag tctcagccag 180  
attaagaagg ccattccacc tctctgtttc cagcgtctctg ttctccgctc attctcctat 240  
gttgtttatg acctcacc 258

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<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958179H1

<400> 18650

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aaaagattgg tgctgtcgtc agactcagtt atggcctcgg gatttatggt gccatggcag 180  
ttgcggggag ttttatatgt tcaatcacgg gaattgactc tctggggggg ttccatctat 240  
cgtagatgc cttt 255

<210> 18651  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958180H1

<400> 18651

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tcctccacga tttcgccatt acgaagaaat acgcgatctt ctgtgatatt cagctcggat 180  
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caaggatcgg aatcctccct c

261

<210> 18652  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958181H1

<400> 18652

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ttgcttctgt ctttagttaa attgctcaaa tgttttgatg actccaaaac cttctttggt 120  
ggatgggttg ttgtggacag tggctctgtc tttatgcttt taattcttaa ggaaattttg 180  
tactattgta tgggtgttggc cctagcagcc tttcttttta tccttcttct ccaatatgat 240  
ttacagttaa taccttc 257

<210> 18653  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958182H1

<400> 18653

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tgaaggactc caaagtctat taggaaagcc acttatagtg ggtgcgaaca atctaactg 180  
gacattgggtg aagtttatca actctgagag ttgtgatgtt ggtagtacta agaatgactt 240  
attggcagag aaatacagc 259

<210> 18654  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958184H1

<400> 18654

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gaactctctg ctaatctctc tcgcaaagtc agttctgcct ctcttgtttc tgaccaagaa 180  
cagaagccgc agaagttgtc tgagatcaaa gcggggctag atgatgctga tgttctgatt 240  
cggaatgg accttgaagc 260

<210> 18655  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958185H1  
  
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gtgccgctcg tgcgactggg cagaagttca gcatggactc gcggcgagaa gatggtacgc 180  
caccaatcac atcttgccag atggacgtca aataattatc ggaggaagac gacaattcaa 240  
ctacgagttt taccocaa 258

<210> 18656  
<211> 257  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958186H1  
  
<400> 18656

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gacggtttga ttgcaaacca atctagtgcg aacacatcca ttcccaatcc aacagaaagc 120  
caggccaatg tcaactgcaa atttgctgcc gttggcctaa acataactga tctcgttgca 180  
ttatctggtg cacatagttt tggatcatgcg cagtgtagat ttttcaacca gagactgttc 240  
aacttcagcg gcacagg 257

<210> 18657  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958187H1

<400> 18657

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cacactcttt gaccccgatc aaaattttga cccctttttc tctctctggt aatgctttcc 180
atcaagccat tcacagaaaa acccctgttt ccatctgggt ctaccctctt tctggatttt 240
tgttatctga ttttgt 256

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<210> 18658

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700958189H1

<400> 18658

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gcccgccgtc ctgttgagtt gaagaaaact gtcgcagagc gggttacact cagatgggcc 120
ttcaggaagt ataatgaagg aagtgtggtg gaacttgtgg atcctttaat ggaagaagct 180
gtaaacggag atgttctgat gaaaatgctt gatttggcgt ttcaatgtgc agccccatt 240
cgaacagata gacct 255

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<210> 18659

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958190H1

<400> 18659

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agatcggcga tgactgcac ccaaggatcgc aagaacttcg tctacatcgc caaactcgcc 120
gagcaggccg agcattacga agagatggtg gaatcaatga agaacgttgc gaatctcgac 180
gttgaactga cgggtggagga gcggagattg ctttctgttg ggtacaagaa tgtgattgga 240
gctcgcaggc gtc 253

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<210> 18660  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958191H1

<400> 18660

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 aatatttgtc gaattggctg aggtgatgga taagataaga aaagaagggt atgatcccag 120  
 agtttcggag gtcttgcttg agatggatga tgaggaaaag gccgttcagt tgcttcacca 180  
 tagtgagaag ctggctcttg cttatggctt aatcaggata ggcatgggt ctacaatctg 240  
 gattgtgaaa aac 253

<210> 18661  
 <211> 208  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958192H1

<400> 18661

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 atttcatata tcttccaata ttgctgggtg ttagcactca caagagacag gctcaactac 180  
 catacaaatt ttccattccc ggcatttc 208

<210> 18662  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958193H1

<400> 18662

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 aaacaccagc ctccgctgaa gaagtgggtg ctgttcctgc ggacacgcca ccaactaccc 180



ccaccacaca atttcatttc atttttcctt ttcacttcac tttcccccaa ttttctttct 60  
 caacaatggc cgcagcaaca caactccact taccctctgg attccgattc caccaccacg 120  
 atgaagaact cgtcgttcac tatctctgcc gcaaatgcgc ttcgcaagaa atcgcagttc 180  
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 tgtacggaga gaaagagtgg tatt 264

<210> 18666  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958203H1

<400> 18666  
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 gctgattcca tgagcattaa aagtgggtct ggtgcttct catctgttct cgacaaaagta 180  
 gttcatgctg ctaatgagaa cataggctca caggaaagct ctattgatct tgacaaaaag 240  
 acgtcggaag atggaagtgt gaa 263

<210> 18667  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958204H1

<400> 18667  
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 acgttcgttt cgtttcgttc ccatggcggc ctccgtttcc gcgtcctccg cgattgcttc 180  
 tttgaactcc gaactctcca cgcgcttgcc accctcactc gcctccgcat cttcttccgc 240  
 caagcaatcc tttctgcaat tc 262

<210> 18668  
 <211> 260

[illegible]

<400>	18668
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<210>	18669
<211>	259
<212>	DNA
<213>	Glycine max

<400>	18669
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<210>	18670
<211>	256
<212>	DNA
<213>	Glycine max

<400> 18670

804.2

256

<400> 18671

<400> 18672

<400> 18673

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ttgctaccat caaatcatta gccattggct aaacactcat gcggttgtgg agccattcgt 120  
 catagcgaca aacaggcatc tgagcgtggt tcacctatt tacaaacttc tgtttcctca 180  
 ctatcgtgac accatgaaca ttaattcact tgcccgcgaaa tccttgggtca atgccgacgg 240  
 tattatagag aaaacattct t 261

<210> 18674  
 <211> 80  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958144H1  
 <400> 18674

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 aaccttttcc acacaaattc 80

<210> 18675  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958146H1  
 <400> 18675

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 attcttgaac agattggaag acgttccttt gcttcagctc tacttgtcag gcacaggcac 120  
 gaaaacagaa ggtatgtcct taagaagata cgtcttgcac gccagactga tagaactcgt 180  
 agatctgctc accaggagat ggagcttatc tctaaagttc gcaatccatt tatcgtagag 240  
 tataaagatt cctgggtgg 259

<210> 18676  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958147H1  
 <400> 18676

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cctgtttttc caaccacccc atttcttaaa aaaactatatt ttccttcaag ttccttcac 120  
 atttcttgta gttttgagtc tttgggttatt ggggtggttg cacttgcaact atggaaactt 180  
 gcacggctct gttgttttta acggccatca cagcatactt gatatgggtc acgttcacat 240  
 cacggtcgct gaagggtcca 260

<210> 18677  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958148H1

<400> 18677

cggatcgagc tcaatatgat caagttcaag gttgtatctc taggctttac tttatgtttt 60  
 ttttcttcat tttcttccca ttccatcttc acttccttcc ttttctcttg tcattttgga 120  
 ttttagatat tttctgcttg gctggaccag taatattatc ttgtggtgct tgtgatttta 180  
 gattagatat tttctgttta tcagttacca tgactacttt agttgtaact gtgcctctat 240  
 tctgccattg tcactatatt accgctatct ttg 273

<210> 18678  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958149H1

<400> 18678

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 gctgtcatga actgcagatc ctggacctca gcaaaagttt caagctaact gatcgttcac 180  
 tctatgagct cgcccttggt tgtcgcgatc ttacaaaact caacatcagc ggggtgttcag 240  
 cat 243

<210> 18679  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958151H1

<400> 18679

aatgaatatt gcctcgttgt acacctgcat agggatcact cacattgctg ctagcctgag 60  
 gataaaacat tgatagcaat ggatttcttg ctgccatggt attgttcgca tccaaattcc 120  
 tgtttagcaga atctatatta gacatgttct tcttgagcag ttgttccaag gtattactgt 180  
 ttgatccatt gctctcatag tgccatggct gagtgtagga tcctggaatg tgatctagaa 240  
 cactgtttct attcatcaag tggc 264

<210> 18680

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700958152H1

<400> 18680

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 caacaacaac tagtacttaa agagacagag agtgtgcaca tcaatgtctg ctcaggtcgg 180  
 tgtcaggaca cgagcccaag ccgcattagc catggaagct gttagttctg ctgaaccatc 240  
 atccaagaga aagaagatca gca 263

<210> 18681

<211> 230

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700958155H1

<400> 18681

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 gcttgctctt acttcaactta tcccaccctt ttgcattctt tttgttcac atttacttcg 180  
 tgccgtnagc agtgcacggt gctgcagctc aatagacaca gtcagaaata 230

<210> 18682  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958156H1

<400> 18682

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 ggtggctatg tacattacag tgatcagcat ctccataatc acgtgtcaaa attcttggcc 180  
 aacagctttc ttgttaattc ctcttgcttg gttaaacatt tgggtaccggg gttattttct 240  
 tgcttcatct cgcgaggttaa ct 262

<210> 18683  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958157H1

<400> 18683

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 aacaacaatt actgaagtta ctccctgtgg ttgatactgc taaactccct gatagccttg 180  
 tcgtcatggt cagtagctct cagttcaagg agaacttcac ttagttgcag cagctgctag 240  
 cgaggaggagt ctctgatatc t 261

<210> 18684  
 <211> 207  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958158H1

<400> 18684

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caaacctgct ttcagaccat aggcacttgt tcttctgtga accaaagatg tttctgcctc 180  
agttcctcag tatgtcagac aaatcaa 207

<210> 18685  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958161H1  
  
<400> 18685

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tcaagtcagc ataattagcc aggcctctaat ctctgtcaca aggtcccgca gctggctcttt 120  
tggtgaaaga cctggctcttc tctactaggt tgcatttttt attgctcagt tgggtggcaac 180  
ttttatagca gtgtatgcta actggggcct tgcaagaata aagggaatgg gatgagggtg 240  
ggctgggtgta atctggctgt 260

<210> 18686  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958162H1  
  
<400> 18686

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aacaacaaca acaacttcaa ttctacctca aaatctgata acagtgccaa tgacaacaaa 180  
aacaacacac gtgtgggtgtt gaatgtctac gacctacccc ctctcaacaa ttacctttat 240  
tggtttgggt ttggaa 256

<210> 18687  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958163H1  
  
<400> 18687

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gaagaaccag tatcgcgga tccgccagcg tccatgggga aagtgggctg ctgagattcg 120  
cgaccaaga aaggggggttc gtgtttggct tggaaactctc agcactgctg aagaagctgc 180  
aagagcttac gatgctgaag caaggaggat ccgtggcaag aaagccaagg tgaatttccc 240  
tgatgagcct tcaggcgctg c 261

<210> 18688  
<211> 263  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700958164H1

<400> 18688  
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atcaaaatga gtggtagcaa cgatggtagc ggcagtggag ctctaggttt ttgaagggtg 120  
ctagtgcagc tgccgctaca accgccgttg ccggcggttt atatgccatt ctttcatacct 180  
caacctctgc tagctctgag atggaagtgc cgtttggcag cgcacggcgt gagagcaaag 240  
aacgtgacga tgggtggctcc ggg 263

<210> 18689  
<211> 260  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700958165H1

<400> 18689  
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ggcgagtgtg gcggtggatg ctcaggagaa ctcggacgtg aagacgctag tgaagtacaa 180  
gcacgggaag aagtactgcg acaaagggtg gaatgtaagg gctgggtcaat ttactgttgt 240  
aacctcacca ttaccgatta 260

<210> 18690  
<211> 77  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700958166H1  
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 tggctttggc aatggtg 77

<210> 18691  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958167H1  
 <400> 18691  
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 atgatgccct catcacagtt tccagaaaga ttgaagattc tgaaaagaac gcatcaaagt 180  
 caaaatcaag ggtgcaacaa caagaccaat ccgcactaat agacatacca aatgattccc 240  
 caatcgtggg acttgcgaaat ggg 263

<210> 18692  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958169H1  
 <400> 18692  
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 ccctggcatg ggtcctatag gtgtacagaa acacttggca ccatttttac catcacaccc 180  
 tgtgatagca actggtggaa ttctgcccc tgacaaacct caaccacttg gtaccatcgc 240  
 tgccgcacca tggggctcag 260

<210> 18693  
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 <212> DNA

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**SECRET**

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258

<210> 18696  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958173H1

<400> 18696

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accactatg tcaaatgttt tgttcatgct cgacatagag gcagcaagca tgccaattcc 180  
cacgcagcca accttttttg tgaaaaagca tctttctagc tcagcttctt cttcgagcaa 240  
accagatata ggtcagtat 259

<210> 18697  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958175H1

<400> 18697

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ccttaaacc agcacatctt cagagtcatt cggattcca tgggacaacg tcgttgtgat 120  
ccagcaaggg aaggatcaca atgagccctg catcgtcacc gtcaattgcc ccgacaaggc 180  
tggtctcggc tgtgatcttt gcagaatcat cctcgagtgc ggtctccgca ttaccctgtc 240  
tgatatttcc acggatgga 259

<210> 18698  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958142H1

<400> 18698

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<223> Clone ID: 700958112H1

<400> 18701

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 aagttccact cccttccctt atgttttttc actctcttgg ccttcaacac aaaaccctc 120  
 ctagcagcag aaccagagcc agtggttgat aagcaaggga accctttgga gccaggagta 180  
 gggactacg tgtggccact ttgggctgat gaaggaggcc tcacactagg ccaaacaagg 240  
 aacaagacat gccctcttta tggtatc 267

<210> 18702

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700958113H1

<400> 18702

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 tctgcaaatg tctgggacaa gattttcttc cttacatgga gtttgatcatg cctccactac 180  
 ttcaatctgc cgcacttaag cccgatgtaa ccattacatc agcagattca gacatcgta 240  
 ttgaggattc tgatgatgaa agtat 265

<210> 18703

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700958114H1

<400> 18703

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 gggtgggttg aatcccgggg ttgaagcggt gcagacatca cggctattac aagagtgtct 120  
 cgctccctca ttcatgtccg atctgtacga cggacgacgg gtagttgcgt aactgccgtt 180  
 aacccttcgc cgcacggtgg gcgtgggtgct ttgccttctg aaggtggtag cccttcagac 240  
 ttgctcttcc tcgctgggtgg tgg 263

<210> 18704  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958117H1  
  
 <400> 18704  
  
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 ttccaacaag gttattgcca ccatcatggg gctttctctc cttgcctact caacatcatt 120  
 caccaatgca tgtggcacat gccacccaaa acctaccctt tctcctcctc ctccatcagg 180  
 aaagtgcctt aaggacacat tgaagctagg ggtgtgtgca gatattctag gtcttgttac 240  
 tggttgttgt tggctccctg tctccagcaa tg 272

<210> 18705  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958118H1  
  
 <400> 18705  
  
 agatgatgtc ttcactcatt gtggatgcac acaagccatt gatgtttcgg tggcgatgct 60  
 tgctcgccct ggtgcaaaca tcttgcttcc aaggccaggc ttccaatct atgaactttg 120  
 tgctgcattt agaggggttg aagtgaggca ttaagatctg cttccagaga aaggttggga 180  
 ggttgatcta gatgctgttg aagctcttgc tgatcagaac acagtggcgt tggcgatcat 240  
 aaaccctggg aatccttgtg ggaatgt 267

<210> 18706  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958119H1  
  
 <400> 18706  
  
 aatattatgt ggaggaattt gctgatacag gcaatgtacc aagtgtctgt catgcttgtg 60  
 ctcaatttcc gaggcataag catactgggt ctgagccatg acagaaaagc tcatgcaatc 120

aaagtgaaga atactttgat attcaatgca tttgttctct gtcaaattctt taatgaattt 180  
aatgctcgaa agccagatga attcaacata ttcaaaggag tcacaagaaa ctacctcttt 240  
atgggtatca ttggattaac ggttgtg 267

<210> 18707  
<211> 265  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958120H1  
  
<400> 18707

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acatccatgg gcttcccagc caacggcgcc tctgcgccc agcccctaaa ctccctcatc 120  
tacagccgca caggctggat tggcggcctc ctcggtctcc tctgcccggc ccagggcatc 180  
tccttccatt acggctcggg ccgcctcgag aaccgggcct ccctcgaaac cgacatagcc 240  
ctcctcaagc cctcccaggt cttca 265

<210> 18708  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958121H1  
  
<400> 18708

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atggagcctt aattagattt ttcattgctc caatattgaa tgaagatatt gcttagtatc 120  
aaaacctgaa catacatact atatctacca accgggaatc ctcttcttg acgtgttgtg 180  
tatatattct agacactcag aaaaatgaat tgttttccgt gtttttcaaa gactaagaga 240  
accaacagca agagtgagca acaaggc 267

<210> 18709  
<211> 264  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958122H1

<400> 18709

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cacacgttat agagggacac ataagccacc acagtctcac gttgtagagc tacattcata 120

gttataggga gctcaaatct caatggccct gaaaaggaac caagggtggt gtgagaggag 180

cacattcaat gaatgaagct ttttggtttt tgagtttctg ggagtggatc aagttggccc 240

ccagatcttc aatttgtttg attg 264

<210> 18710

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700958123H1

<400> 18710

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attgatttgc ctactctcac tgagaaagac aaggaggtta taagcacctg ggggtgttaa 180

aacaaaattg attttctgtc actgtcatat actcggcacg ctaaagacgt tcgccaggct 240

cgccaatttc tttccaagtt aggtga 266

<210> 18711

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700958124H1

<400> 18711

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gaagagagtg gtgggaacag agaaagcttg aataattttt ttcagatggt tgctggacac 120

tttactgggg aaactccaca tatgataagt gcagcagcca aagggttagc ccgtttggct 180

tatgagttct ctgatcttgt ttttaacttc ttcaaattgc tccctggcac acttactctc 240

ctgaggagtg ataacaaaga gataa 265

<210> 18712

<211> 264  
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 agaaagaggt cccctgtact gtgcaatgtt caaccctttg gcaacagtca tcaactgcttt 180  
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 agttattgcc ggtttatatg ttgt 264

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 ccaaccccaa ggatgctggg cttaaggacc agaagaactt catcagctat ggtggagtgt 180  
 gtggttattc cgggattggg aacaatggac tgccttttgg aggagctggg gccggaatag 240  
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<210> 18714  
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 <213> Glycine max  
  
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 tagaagcttc ccattatctt ggtcggccca gaccgtaaaa tcgggtctga agtggctcga 120  
 gtcgcgtcag gtcgatgaag ggatatctcca ccggc 155









<211> 232  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958075H1  
  
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 atgccattga tgtgaattgg tgcaaagcaa tgatttcgaa tccggaattg atccactacg 120  
 cctgcatcga tcgatcggag actatcctgg ggcagcacca gagcgagaag gagcccaaca 180  
 tggaggactt ggaggcccaa tgcgtggccc aaacacctcc caaccactcc ct 232

<210> 18724  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958076H1  
  
 <400> 18724  
  
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 gggattcatc agcaccaata tcacatgcaa ctttctcata gtgatagcca gtcataatat 180  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958077H1  
  
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 ggtcattgca aacagttggc tccaatattg gacgaagttg ctatctcata tcaaagtgat 180  
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<210> 18726

<211> 83  
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<213> Glycine max

<223> Clone ID: 700958078H1

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<210> 18727  
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<212> DNA  
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<223> Clone ID: 700958079H1

<400> 18727

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cgccggcaaa ggctgcacta acatgcgccg caccgtcaag agtgctcctc agagcatttg 180  
gtatggccct gaccgtccca ggtacttgta tccattctcg gagcagattc catcatac 238

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<223> Clone ID: 700958080H1

<400> 18728

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aacaacaaaa tccaagacca attcctctg ccaccaggg ctgtccacag tttggcgaag 180  
gaaaaacaac atattccttc gccaccacaa gtggacagtc ctgtctctgt ctcagtctcg 240  
g 241

<210> 18729  
<211> 233  
<212> DNA







<213> Glycine max

<223> Clone ID: 700958092H1

<400> 18738

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 gggagttcca gagagagacc ctcttgcaaca attgagcttg cctcctggat ttagatttta 180  
 tcccactgat gaggagcttt tgggttcagta cctttgccgc aagggttgct 229

<210> 18739

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700958093H1

<400> 18739

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 tgttctcttc atcctggtgg tgggtttgga aatcggcgtg gtggccccgt taacaagaag 180  
 gg 182

<210> 18740

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700958094H1

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 tgatccaagg gagaaggtgc ttgacattgg agggagggga agagagtgc ttggtggtggt 180  
 gttttgaatt gaaaaacgag aggatatcgc agattttttt cttatcgttt actt 234

<210> 18741

<211> 236

<212> DNA

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**09-07-2018**

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<223>	Clone ID: 700958103H1
<400>	18745

<210>	18746
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<223>	Clone ID: 700958104H1
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<223> Clone ID: 700958106H1

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 ctggctcagc gctgttatct cgtaccaaca ggctgcatg gaggggtttg acgatggcaa 180  
 agaaggtgag aagaagatca aggagcagtt tcataccgag accttggaaca atgttcagaa 240  
 actcactggc atcacccttg acattgtg 268

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 <212> DNA  
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<223> Clone ID: 700958107H1

<400> 18748

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 aacgactcac aacgtcaagc caccaaggac gctgggtgtca tttctgggct caacgtgatg 180  
 cgaattatca acgagcctac cgcggtgcc attgcttatg ggctcgacaa aaaggccact 240  
 agctctgggg agaagaatgt tctcatttt 269

<210> 18749  
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<223> Clone ID: 700958074H1

<400> 18749

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 cggatgatgct ggtctcaccg gccgcaagat catcatcgat acttatggag gatgggggtgc 180  
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 <223> Clone ID: 700958033H1  
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 acgggtaaaa cagcagtagc cacagatact attctcaatc aacagggaca aaatgtaata 180  
 tgtgggttatg tagctat 197

<210> 18751  
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 <223> Clone ID: 700958034H1  
 <400> 18751

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 <223> Clone ID: 700958035H1  
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ggtttcatca cataacctca ttttctttta ttttcttttc cttgtctttt gcagttaaac 180  
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<212> DNA  
<213> Glycine max  
  
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actataatca cca 73

<210> 18754  
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<212> DNA  
<213> Glycine max  
  
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<400> 18754

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tttgctacaa aaccgttctt tgaatcgctc caagaagaga gtttccttcg ttgttcaagc 180  
agccaagccc cctaattggtg tggaaattcc aaaggtgaag cctcgattta agcctc 236

<210> 18755  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700958039H1  
  
<400> 18755

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caacaggaac ggcttagcga atctctacca ggagggttcc atgctcactt tcgaagggca 120  
gaagatccaa ggcgcttcca acatcgttgc caagctcacc tccctccctt ttcagcagtg 180  
ccaccactca atctccaccg togactgccg gccctccggc gtcaacgccg gcatgctcgt 240

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 caagaacaac tttcttgccc aacgggctga gacgcttcta gaaagcttga aacacagatt 180  
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 <223> Clone ID: 700958041H1  
  
 <400> 18757  
  
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 actaacgttt tcgacaaaga cgttatcgtc ggggttgaaa gcgatcgtgc cggcgctgaa 120  
 gacattgata gttgacaaga atctaggggtt tcctgtgttc tcggacatag atgacctttt 180  
 cgatgaaggc c 191

<210> 18758  
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 <213> Glycine max  
  
 <223> Clone ID: 700958042H1  
  
 <400> 18758  
  
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 tttttatatt aagcttactt ggacttacac cacttgctga acgtgtgagc ttcattacag 180  
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0958040H1-032200

**Abstract**

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<400>	18760
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gtggcatgga aatgtcgagc aacgaagtcg gggagtagcc atgactgcta caacagctcc 180  
atcagtcgaa aatggcatga gccgttgaat agtatgcagt tctgtaacta agaca 235

<210>	18761
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<212>	DNA
<213>	Glycine max

<400>	18761
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cttttagcac agaaaaagtt caattaatca tatttttcaa tttttattgc aggattgtgg 180
agacggataa gatgagagaa aagtgatgaa gctcgtgatt taccctgtca tcatt 235
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 <213> Glycine max  
  
 <223> Clone ID: 700958047H1  
  
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 aatgaattga aatctgagaa agttgaagca gatctgagtc caacagaggt tggaaataag 180  
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 cgccgactca atcgccgact gcaaccgtac cctcgccctg gacccaccca gcatccaagc 180  
 cctcgaaacc cgagcctcac tcttcgaatc cattegtgtc ttcccagact ccctccacga 240  
 cctc 244

<210> 18764  
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 <213> Glycine max  
  
 <223> Clone ID: 700958050H1  
  
 <400> 18764  
  
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 :cagaatttgg atgggacgca agggtagcac ttagtatcta cggtgctttc agtggcaagg 180

232

<213> Glycine max

<400>	18765
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cctgccgccc ccac 74

<213> Glycine max

<400>	18766
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<213> Glycine max

<400>	18767
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<210>	18768
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[illegible]

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<210>	18769
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<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700958059H1

<400>	18769
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<212> DNA

<213> Glycine max

<223> Clone ID: 700958060H1

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tcttccctgc acttgcaagt ggagaattgg aggttgttga cgccatagtg gatgaagacc 180

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<212> DNA

<213> Glycine max

<223> Clone ID: 700958062H1

<400> 18771



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 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700958068H1  
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 atattttatg tcgtttgctt ttgtaaagta tctttctggt gagtagcaga cacggaaatt 180  
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<210> 18776  
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 <212> DNA  
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 <223> Clone ID: 700958069H1  
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 caaggaagga atccccccgg accagcaacg tctcattttc gccggatagc aacttgagga 180  
 cggccgtacc ctggctgact agaacattca gaatgagagt actcttcacc tcg 233

<210> 18777  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958071H1  
 <400> 18777

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<400> 18783

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tcccgatattt ctctctctgc taccgatcc agaggcttca atcctttccc cgtcgagatc 180  
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<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700957991H1

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tcaaattcaa catagtccac aagaagggtc cagtgtttat tcacaatgag aagcccatag 180  
cagagtctct tgtgattgtt gaatacattg atgagacatg gaagaacaac cccatcttgc 240  
cttctgatcc 250

<210> 18785

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700957992H1

<400> 18785

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tatcagggtg gtgttggttg ctccgtaagc tgtagatgtg aaggatgcaa gaacacatat 180  
ggtagaaaagg atggttctgt tccttctgga ttagaagccg aacctgaaga agaaacagaa 240  
gcatgcgaa 249

<210> 18786  
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 <213> Glycine max  
  
 <223> Clone ID: 700957993H1  
  
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 aagaagcaag cctccgacat ggacccgacg aagaagaaga agaagagtaa gaggaattcg 180  
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 <212> DNA  
 <213> Glycine max  
  
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 gggcgaggca tcaacgttcg aagctctctc ttctgaaatc ctctccaaag ccctctctct 180  
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 <223> Clone ID: 700958001H1  
  
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 ctatgctagc aataacatat attgcacca tcgcactttg atgagaatgg ccacgttctt 120  
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<223> Clone ID: 700958002H1

<400> 18789

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<223> Clone ID: 700958003H1

<400> 18790

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<210> 18791  
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 <213> Glycine max

<223> Clone ID: 700958006H1

<400> 18791

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 aggtaattta gaagcattgt aagtccaagc ctctctggtt attcaaaaat gtgtatctgt 180  
 acagcaatat attgattgcc atagggttct agtataaaat agctctctag gtattcaaaa 240  
 a 241



[illegible]

<400>	18792
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<223> Clone ID: 700958008H1

<400>	18793
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<223> Clone ID: 700958009H1

<400>	18794
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agatt 245

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 <212> DNA  
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<223> Clone ID: 700958010H1

<400> 18795

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 tgggtgctaca acaagtctca caagtaacaa cactgggttct gcatttggtg cttcattgtc 180  
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 acc 243

<210> 18796  
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<223> Clone ID: 700958011H1

<400> 18796

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 tacttctttt tcacatggaa tgtcacctat ggcacccttt ctccagccgg tgtgccccag 180  
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 <213> Glycine max

<223> Clone ID: 700958012H1

<400> 18797

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 cgagctggcg tagattacta tatccgaccg gtcccaacaa ccccatgtga tgggcgtggg 180  
 ccgtgtgtgg ttggaagtgg ctatgttctc atagcaaggc catccaacaa cacttg 236

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<223> Clone ID: 700958017H1

<400> 18798

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 gagcttcttt ccactgtggt gtcgtcttca ccacaacaag atgctttaca ggatgatttg 180  
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<210> 18799  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958018H1

<400> 18799

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 cccaaaaact cattccaac tctcgagaag aagtctcgtc ctcccaaaga gtctcaaaga 180  
 aaacc 185

<210> 18800  
 <211> 211  
 <212> DNA  
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<223> Clone ID: 700958019H1

<400> 18800

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 aattccagtt ttcaaattcc aaccttgagg acaagggtga tttttaggaa ggggtgttgat 180  
 aagcataagc ataagccaca catcaccaag g 211

002220-0335

<210> 18801  
<211> 239  
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<213> Glycine max

<223> Clone ID: 700958020H1

<400> 18801

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gtggaaattg ccggagattc ttgtttttca cttaaaacga ttctcatata gcagatacct 180  
gaaaaacaaa cttgacactt ttgtaaattt tcccattcac aatctggatt taaccaaatt 239

<210> 18802  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958021H1

<400> 18802

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tttcatttta actcaatgga gaatagaaca agctctgtac tcccacctgg cttcaggttt 180  
cacccactg atgaggaact aattgtgtac tacctttgca accaagcctc atcaagg 237

<210> 18803  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700958022H1

<400> 18803

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acaaagggtg gttacggctg gctgaaaaag atgactcctg taaacagtgc atttgcttgg 120  
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<212>	DNA
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0933111

3.

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120

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253

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<223> Clone ID: 700957948H1

<400> 18810

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tcatgaacaa cccagcaatt gatacaaatg ttacatgca ccatcaaaag cagatgcctg 180  
ttgatgagtt tccagaaagg cctggtgaac ctgaatgcag cttcttctta aaaactgggg 240  
attgcaagtt 250

<210> 18811  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957952H1

<400> 18811

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agaagggtgcc accttgtgca atgccttaga aagtacttca tacaagaaga agaagcccct 120  
tgccctttga aatatgatga agccatgttg gaggaggaag aagatgaaaa ggactttgtt 180  
cttttgactt caattattag tgaagtttat atatatatgg taatgttaga atttggaag 240  
atgtgttcgt gttcatgttc a 261

<210> 18812  
<211> 171  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957954H1

<400> 18812

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taatgcaatt gagtttgaat aaagaccaa atttcaagaa tactatttac t 171

<210> 18813  
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<212> DNA  
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<223> Clone ID: 700957956H1

<400> 18813

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aggagaagaa tcgcaaattt gtggagacca tcgaactcca aatcggggtg aaaaactacg 180  
atccacagaa ggacaagcgt ttcagtggct ctgtcaagct gccccacatc cctcgcccca 240  
agatgaaat 249

<210> 18814  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957957H1

<400> 18814

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ggccgcccac ctcgacggta cgctcctcat ctcacgtagc tcgttcccgT acttcatgct 180  
cgtcgccgtc gaagccggca gcctcctccg cggcctcatc ctccctcctaa tacatccgtt 240  
cgtcatcatc gcctacc 257

<210> 18815  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957958H1

<400> 18815

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 tgcttctcaa ctcaaaatct ttttacttct gacaagcaag gtccagggtg gactacgttg 180  
 ccctctgcat ggccttccac atcctatcat catgaacacc aggctaaagc taaagcttca 240  
 tcatttcttc agct 254

<210> 18816  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957959H1  
 <400> 18816

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 gttctgtttc tgtcatgaat tccaatcaga gtgatctcga tttaaaacta ggtacagtgc 120  
 cacacaacat 130

<210> 18817  
 <211> 167  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957960H1  
 <400> 18817

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 aacgaaaccc taattttggg atcacaggtg aggttattgt gatttga 167

<210> 18818  
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 <212> DNA  
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 <223> Clone ID: 700957961H1  
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tacatttttg ccatatgcaa atgcagaaac ttctgcagat tctcccggtg gcaactccaga 180  
 ttttccatca agacaaaattg gctcgcctcc aagtgtgaca gctattgcag ctgctacagt 240  
 agctgctgca act 253

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 <223> Clone ID: 700957963H1  
 <400> 18819

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 gatcgagatc ctatgtcacg atattaatgt ccatattcca caccacatat cccagagga 180  
 taccaagcta taatttaaga gcagcccata agtctctcca agaaaactgg ggacagtatc 240  
 tgaatgagg 249

<210> 18820  
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 <213> Glycine max  
 <223> Clone ID: 700957964H1  
 <400> 18820

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 gtgaattaca ggtgccattg agtattttgt aatctttctt tgattataat tattaaatta 120  
 aagctggagg aggaagagaa aagtccgtaa tactttcgtc actgttatat tgatgtgggc 180  
 ctgttgtaga taaaggatga gcaaattttg gcctttttac atggatagga tatctgaggc 240  
 atttcctgaa 250

<210> 18821  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957967H1



<210> 18824  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957972H1

<400> 18824

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gttaagacac tcaactggtta gacaatcacc cttgaggtgg agagttcaga taccatagat 120  
aatgtaaagt ccaagattca agacaaggaa gggatccac cagaccagca acgtctcatt 180  
tttgctggca agcagcttga ggatggacgt acacttgctg attacaacat tcaaaaggag 240  
tccactctac acttggtg 258

<210> 18825  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957973H1

<400> 18825

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aaccacacac tgttcctttt ttatgcggtg tgatgcattg ctaggaaaca aaacaacacc 120  
ttcattctat gccctcataa attaacattc agaattccca cttgtctctc ttattctctg 180  
ccaaaacttg ttacaagtct ttaatttcca ggtcttctct ttctctcata ctacttcaaa 240  
gttttgctgt gcaat 255

<210> 18826  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957975H1

<400> 18826

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attccgagtt caattccaaa atcaagacct tctattagct tgggtttggg aactcccaag 120  
ttgttcaatt cagtttcagt aagggtagcc gtgaacgtga atggtcgggg aagaaacaaa 180





tcttccacac caa

73

<210> 18833  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957983H1

<400> 18833

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cacacgcaca tgatacacgc tgcattcatca tcgctccgcc gggtgagatg ttcccgcgcg 120  
cgccgcagac gaccctcccc tccctgccgg atctactctt cacggccctc tccgtctgct 180  
tcttagtctc gtcctcgaag ccccatcatg gcgggtccac ccgctgcccc ttcccgcgct 240  
gcttctctcaa aatccccg 258

<210> 18834  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957985H1

<400> 18834

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tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
acgtcatggt cgttttacag agcagggata gcagagtctg tggccacttt tctgcttctc 240  
tacatcacccg tcttaa 256

<210> 18835  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957946H1

<400> 18835

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atgccgccgc cgccccacca cgccagctct cccagaagga agctgacatc cagatgatgt 120  
 tggccgccga cgtccacctc ggcaccaaga actgcgactt ccaaattggaa cgttacatct 180  
 tcaagcgccg caacgacggg atttacatta ttaaccttgg gaagacgtgg gagaagcttc 240  
 agctagcagc taggg 255

<210> 18836  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957909H1  
 <400> 18836

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 ttgctaaagg cggattgcct gttgatgatg cagtctgcat tcaatgggag aggtgatcgt 180  
 gctgatcctt caaggtggcc agaagttgaa ggcccgatga cggttgtgtt gttcgaaggt 240  
 tggatgcttg gtttcaagcc cct 263

<210> 18837  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957910H1  
 <400> 18837

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 aggagtctac tgctaaagag attaataaaa atcccagggc aggatgggag gctgctataa 180  
 atcctcgctt ctccaattat acagttgaac aatttaagcg ccttcttggg gtcaaaccac 240  
 tgcctaagaa ggaacttag 259

<210> 18838  
 <211> 260  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700957911H1

<400> 18838

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tgaggctaga tatttctttc agcagctgat ttctgggtgta cattactgtc atgccatgca 180  
aatatgtcac agagatttga agctagaaaa taccctttta gatggaagcc ctgcaccccg 240  
cctgaaaatt tgtgactttg 260

<210> 18839

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700957912H1

<400> 18839

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accatcgcca accgtgattt gagttataac atcaattttt ttcaactgtc ctcaaccaca 120  
attgaaatca catcggttgg catttggtcg taatttatca cgatatcaat aaacccaacc 180  
aaaccgttat gcaactgtaa ccgatcaaca agttaagaga gggggaaatg agggatttta 240  
aaagagccag tggagcca 258

<210> 18840

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700957913H1

<400> 18840

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tatatagcca gtgtgagaga gctcaaaaag cttcagcaat cattgtgaac acgtttgatg 180  
cattagagca tgacgttttg gatgcattct catccatatt gttgcctcct atctattcca 240  
ttggcccctt aaa 253

<210> 18841  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957914H1

<400> 18841

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 ttgagctctt ctttgaaatt gcagagaaca aggaggatta caacaagttc tatgaggctt 180  
 tctccaagaa cttgaagcca ggtatccatg aggattcaca gaacaaggga aagattgctg 240  
 aattgctcag gtaccact 258

<210> 18842  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957918H1

<400> 18842

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 gcagcagaga aataggagtg cgaagaagaa acgtgcttct ggggggtgttg gtgtgcccc 180  
 gaaaagagga atgaaacaaa gaaaaaaccc tgaaggtgat ttggaaaatg gggttgtggg 240  
 tgctggagtt gttggcgccg atgggtg 266

<210> 18843  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957919H1

<400> 18843

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aaacttggat acaattaatt caataagtag ggccaggta tttaattata tttgtgcata 180  
 tacgatacgt gtgcgtatac gtatacgcgc gtgcagaaca tctttatagc aggaacagac 240  
 ccgagttccg cgacaatagt ttggg 265

<210> 18844  
 <211> 87  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957920H1  
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<210> 18845  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957921H1  
 <400> 18845

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 accttctgag actctaactt caccttcctg acataccctt 220

<210> 18846  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957922H1  
 <400> 18846

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 accatagctt ccaaatacaa agatgctgcc atcccagcca tgtttgtag ggcagagaca 120  
 gagcaaccag gcatcacaac cgttcaaggg gtgaaccttg aggtgccaat tattgatttt 180

agtgacccag atgaaggga agtggtgcat gagatTTTgg aggcaagtag ggactggggc 240  
 atgttccaaa ttgtgaacca tga 263

<210> 18847  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957923H1  
 <400> 18847

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 ggtcaccctc tgagacacaa cctctgcttc ctgacatata cttcacgcca atcttccctt 120  
 cctcctcaga ctatatacac ttcattcatct ctatccctc ttcataTTTT ttctattctt 180  
 aacctttctc tacagtatgt gtttctgtaa aggatcatgt tattgaagct ttttgtgata 240  
 tttgtctgat tatgttgcta gga 263

<210> 18848  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957924H1  
 <400> 18848

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 cagtttcaaaa ccctaattcc ctcattecca tggcctcaga agagcccact gtcgcggtgg 120  
 aaccgctcc cgaacctgcc accgccgagc ctcccccgga ggagaaggag gagcccaaac 180  
 ctgaagccaa ggctaagaaa accaaggaac ccaaacctaa aaaggtttcc agaccacgca 240  
 accctccac tcattcttcc tacg 264

<210> 18849  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957925H1  
 <400> 18849

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 tggttctttc aatcggtgtg gtactagttt tacttgtcac ttggctgccc aacaaggagg 120  
 ctctagactg caacctttac tctggatggt gcacctcaaa gaaccggttc tactcttcag 180  
 cacatcctaa taatccgatt aagaaaccat cattttccac acaa 224

<210> 18850  
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 <213> Glycine max  
 <223> Clone ID: 700957926H1  
 <400> 18850

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 gttgaagtca ttgacaaggt tcgctacaag gaggatgttt tcaactacat caaggaatac 120  
 gagatggtcc ctttgtacga gaccctagtc gccgattccg tgttggactt ggatcgtgcc 180  
 cttttggact tcatgcgcgc taaaattgaa gacgagctca ccaagctcga cgaaaagatt 240  
 gctgatgctg aggaaa 256

<210> 18851  
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 <212> DNA  
 <213> Glycine max  
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 <400> 18851

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 attggtagga gggctgggtt gctgccaggc gcagcttcaa ctccaactgc accttcattt 180  
 aatcttccaa atggagtagc caaacctgtg gtcctcttg tagatctact tgatctaagt 240  
 tcagatgatg ctctgtgt 258

<210> 18852  
 <211> 94  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957930H1

<400> 18852

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catgcgacaa gaacttacct cggctgggtg gcgt 94

<210> 18853

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700957931H1

<400> 18853

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gcctttagat tctgattctg agtctctgct gctatatatg gcgccacgcg tatttcttgt 120

gttggggatg ttgctgatgg tgtgccttgt taaggtttcg tctgatccaa agagagaaga 180

agaaatactg gaagaagaac tacattttcc cgataacgag ccacttattg tgagagacgg 240

gaacagaagg ct 252

<210> 18854

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700957932H1

<400> 18854

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ggctctagac tgcaaccttt actctggatg gtgcacctca aagaaccggt tctactcttc 180

agcacatcct aataatccga ttaagaaacc atcattt 217

<210> 18855

<211> 175

<212> DNA

<213> Glycine max

<223> Clone ID: 700957933H1

<400> 18855

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tctctcaacc tgaaagtcac taacaagagt catgttcaac ctgaggagaa aattggaagg 120  
aaagagtacc agctggtcac ttttgatctt ccctacttgg ctttctacta caacc 175

<210> 18856

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700957934H1

<400> 18856

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cgatgccgtt tgctctggag aataacggag gagttacgat cggacgggtcc tccttcgctt 120  
actgcgtcgc gatctgcgat cgtgattttc cggaggatga ttccgactcc agtccgact 180  
cctccatcgg aaggaacagc atctcgtcgg aagattcctc cgaccgggaa gacgccgtcg 240  
aagttgaggt tcagagttcc ttc 263

<210> 18857

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700957936H1

<400> 18857

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caagtctgta gttgagaagc tactttggat ggcaattgtg tgcttggtgc tgggtgtaat 120  
ttccattatc cccaaggccc aagcagcagt gacatgcaac caggtggtga gcaacctcac 180  
cccatgcatt tcttatgtgc tcaatggtgg caaaaccgtg cctggccctt gctgcaatgg 240  
gatcaagacc ctctttaacc t 261

<210> 18858

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957937H1

<400> 18858

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 aggggtttggg aaaggagggt gccaagaggc acaggaagggt tcttcgtgac aacatccagg 120  
 gcatcacgaa acctgcgatt cgtaggtag cgagaagagg tggcgtgaag aggatcagt 180  
 gtttgatcta cgaggaaacc agaggagttc tgaagatatt cttggagaac gtgattcgcg 240  
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<210> 18859

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700957938H1

<400> 18859

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 aaattttcaa cgggcgcaa ggagcactag tgtgcttctg gttgttgtct gtgttttctg 120  
 tggtaacagg attcaacat gaagagcaca ggacagtgga ggtagtggc ctaggagaat 180  
 gcgcagactg caggcagaac aatattaaga ataaccacgc tttctcaggg ttacgtgtga 240  
 cggtagattg ctagtcacga c 261

<210> 18860

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700957939H1

<400> 18860

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 tgggtggttcc atatcagggc aatttgattg tgaaagagat ccaaagcagt ttggctcctc 120  
 agttgtcaat atgagaaaag atgtcagaag tgagattgat gtgcttcac acgtcagaaa 180  
 aaagaaaaag caggcatcaa tgtctgtcag aagcatatcg actagagaaa atatccacac 240  
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**RECEIVED**

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<400>	18862
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<210>	18863
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8109

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 aaatctac 248

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 <212> DNA  
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<223> Clone ID: 700957868H1

<400> 18864

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 ttctggtttt cgtgaatggc ttgctctcca tccaatcatt gcagaatcag agaatgcttc 120  
 aaaaatgata atttttgctc atcaccacaa agttcttgac ggagtacagg tgtttttatg 180  
 tgagaaaggg ataagttttg tgcg 204

<210> 18865  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957869H1

<400> 18865

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 gagctaagat agtttagttg tcaagtcata aatcagtatc atcactttaa atttcattag 120  
 aagctgtcaa aatgtcacgg aagggtttga tggagcaaga cctgagtaag ttggatgtaa 180  
 caaagttgca tccactttct ccagaagtca tatctcgga ggctactatt aatatgggca 240  
 ctatagg 247

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<223> Clone ID: 700957870H1

<400> 18866

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gtctttcttct catccaaggg ttgagattgt tggtggaagt gaagctcctc cagtgcattgc 120  
 tctagttggt gaggttgcca tagccatggc ctcaggtgtt catcctatac cctcccaag 180  
 tggcctaggt ggtgcctatg ttttc 205

<210> 18867  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957871H1

<400> 18867

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 aattgcttaa accataaaca tttaacagcc tcattttgga taaattatta gggtttttagc 120  
 atgtctctct aaatatttga ttgtttcttg gcgtactgtt ggttttttag ttcatttttg 180  
 gatggtttat tgggtacttt gatagtggtc actaaaattt ggagcattaa tggttttcct 240  
 ctcacct 247

<210> 18868  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957872H1

<400> 18868

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 cttttctaca tttggaaata tcctttcgtg caaggtagct acggattcat ctgggcaatc 120  
 aaaaggctat ggctttgttc aatttgataa tgaggaatct gcccaaaaag ctatagagaa 180  
 gctgaatggt atgctgttga atga 204

<210> 18869  
 <211> 247  
 <212> DNA  
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<223> Clone ID: 700957873H1

<400> 18869



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 gcttcatcgc tgagaagaga tgcgtctctc taatgctccg tttggcatgg cactctgctg 180  
 gaacctttga caagggcacg aagaccggtg gaccttcgg aaccatcaag caccctaacg 240  
 aactggc 247

<210> 18873  
 <211> 79  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957878H1

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 tcggattccc cgtcaaact 79

<210> 18874  
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<223> Clone ID: 700957879H1

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 catgaggaag accgtcacca agcaggcctc ctccggaagc ccatggtacg gccagaccg 180  
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 aggtgactac gg 252

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 <211> 255  
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<223> Clone ID: 700957880H1

<400> 18875

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 agcaataatg ggcgctggaa atatacgacc ttcttcttcc ggctgctctc acttgtctat 180  
 ctccgagctc cgcgagaagc accattggga gctagaaaat ctgacactaa cctcacaacc 240  
 tttcaaaaca ttgaa 255

<210> 18876

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700957881H1

<400> 18876

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 cagttagagg ccttccctcc ctctcaagga actcctcttc attcagagtt gtggccagtg 180  
 gtggcaagaa gatcaagact gacaagcctt atggaattaa tgggtggcatg gctttgaggc 240  
 aaggagttg 249

<210> 18877

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700957883H1

<400> 18877

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 aagttcggcg tc 72

<210> 18878

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700957884H1

<400> 18878

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 gggttttctc cggttcactt gggttcgaac gcgtacaagc aggccagcat gttgctatcg 180  
 cttttcgggg gtggggatgg gtatagagtg gaagagaaca atgggtgtct catgttggga 240  
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<210> 18879

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700957885H1

<400> 18879

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 cccaagatca ggatttatga tgttggtatg aagaagaagg gtgttgatga gtttcctttc 180  
 tgtgtccatc tggtagttg ggagaaggaa aatgtttcaa gtgaggccct ggaagctgct 240  
 cgcat 245

<210> 18880

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700957888H1

<400> 18880

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 gagtgtagac caacctcctt ttctttgctt tgagctcgct cgatcttctt ccatttcatg 120  
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<210> 18881

<211> 245

<212> DNA  
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<223> Clone ID: 700957889H1

<400> 18881

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 cctgtactgg cgccacttcc tattggattt gccgtgttca tggttcactt ggctacaatc 180  
 ccaattactg gtactggcat taaccagca aggagtctcg gagcagctgt aatctacaac 240  
 gaaga 245

<210> 18882  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957891H1

<400> 18882

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 gtgtcagatc atgttcctga attacttata ggtgatccag gaagatttcg acaaataatt 180  
 accaatctca tgggtaactc aattaagttc acggacaaag gacatatttt tgtcacaatc 240  
 catct 245

<210> 18883  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957892H1

<400> 18883

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 agatttgaga ggaaggggtt ttacttgaaa gggttgaaac tcgttactgt ggaccgtcct 180  
 tttgctgaga agcactatgc tgatttgtct gcaaagcctt tcttttagtgg tttgggtgat 240



tacatt.

246

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<212> DNA  
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<223> Clone ID: 700957893H1  
  
<400> 18884

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<210> 18885  
<211> 78  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700957894H1  
  
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nctctctctt ctctgaag 78

<210> 18886  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957895H1  
  
<400> 18886

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cggtgcccc aactcaacat gctgttggtta gtctttcttc cttcctcatt tgctacgaat 120

agacttttca tgtcttcac tttcatctag tttcttggtc tttcctgtta cggtgtttta 180

gggtetcaaca cctcaaagca aagtaggtag aagaaactgg accttggttt aattaaactt 240

ggcttctgca ag 252

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<211> 269  
<212> DNA

<213> Glycine max

<223> Clone ID: 700957902H1

<400> 18887

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accggaggag aattgctccg ccaagcccac caagcagggc gagggcctcc gccactacta 180  
ttctcacaac atccacgagc atcagctcct tctccgtcaa aagacgcata acctcaaccg 240  
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<210> 18888

<211> 202

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957903H1

<400> 18888

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cgccattctc gtgttcgatc ctactcttc tancgctctt caactcctac gttaacccca 120  
tcttcgcttc actcaccttc caactctctt cttcgctgct cccattcaat gccaaacttct 180  
ccagcgtcag actccactct tc 202

<210> 18889

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700957906H1

<400> 18889

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atgtacctgg attatatattt ggatctaattg taggatttca aagaagccat agcaatctac 120  
cctgacttga gtaacgtaag attgaaagat ttggaattac tacttcaaga tgttgtagct 180  
gctaaataga agatttgctt gtgccttgga aatgttgcta ttttagctgc cctgcagtgg 240  
tttctatcgg gaaaatggat tgac 264

<210> 18890  
<211> 264  
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<213> Glycine max

<223> Clone ID: 700957907H1

<400> 18890

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ataagtagac aatttaattg gattgggtcga atggtatcaa aaaaatggag tactaactcc 120  
catttcttat ttattattga attaaccgat caacttgctt tggtatcgaa catttctttt 180  
tgatttcaaa aattttccgg aaaaaatttg aatctatttt tatatgcgaa tcaatcctac 240  
tacttctggt cctgaggttt ctgc 264

<210> 18891  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957866H1

<400> 18891

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ctcaacaatt tctcagatcc gtcaaacaaa ataaaaaaga tcgaaaaccc tagttctata 180  
aatatataaa ggaaaaaagg tctgatagat acccattgtc aatatgatct aattcttcac 240  
aca 243

<210> 18892  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957830H1

<400> 18892

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ctcaagcacg ttgaagttgc cgttcccagt ccaaaggcaa atgaggtttt aatcaaactg 120

gaagcagtta gcattaaccc tattgattgg aagattcaga aggggtcttct cgcgccttta 180  
 tttctcccca gaacctttcc ccacatacct tgcacagatg tggctggaga aatagttgag 240  
 atcggaactc aagtc 255

<210> 18893  
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 <223> Clone ID: 700957831H1  
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 aaacaaatag cttgtc 136

<210> 18894  
 <211> 262  
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 <213> Glycine max  
 <223> Clone ID: 700957832H1  
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 ccttttcaat ttttcaaaaa attctcgcga ctaaattcac gtcagtacac ggaaacataa 180  
 aattcagttt ttttttatta aaatttggtg gcaaacaaaa acaaaaaaaaa aattgaaatt 240  
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 <213> Glycine max  
 <223> Clone ID: 700957833H1  
 <400> 18895

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cttgaacagg caccacacta aaataaagat tgttaagttt gatattagaa cagggtcaaag 120  
 gaaaaatata ttggtggaag aaaacagcag ttggatcaat atacatgact gtttcacacc 180  
 tcttgataaa ggagttacca aatttttcggg tggatttatc tgggctagtg agaaaacagg 240  
 atttagacac ctttat 256

<210> 18896  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957834H1

<400> 18896

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 ttttcgtact tcttttcgta attgcagcga agaattggcga agaggaagga gcggattcag 180  
 aaccgggagc cattcgatcc gtacggcgcc gatcccgga agacgaagaa gcgttcgaag 240  
 ccgccgaagc ggtacc 256

<210> 18897  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957836H1

<400> 18897

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 ttctcttcat cttatgaatc gttgagcctg gatcaactca caaatTTTTT tgatctctct 180  
 gtttgtcgca ctcatagcat tgcagtagg atgatgatca atgaggagct tcatgcaagc 240  
 tgggatcagc c 251

<210> 18898  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957838H1

<400> 18898

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accagtcct cagtctcatc atcaacacct tctactccaa caaggaaacc ttccttcgtg 180  
aactcatcag caacgcctct gatgctttgg acaagattag atttgagagt ttgacggaca 240  
agagcaagct cg 252

<210> 18899

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700957840H1

<400> 18899

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tagcatggca atgccatgcg tacgatatgt tccctctccg aatgaacact ggctatgggtg 120  
cccgtactcc ggaggtgaaa tgcgcaagtt ggaggcttgc tgtggaagca cacaacatct 180  
ttggctttga gaccattcct gaagagtgcg ttgaagcaac aaaggaatac atccatggcg 240  
aacaatatag at 252

<210> 18900

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700957841H1

<400> 18900

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gtacttgaaa tgctgaagga caaaatcaag gaggaggcat tgaggacata cctctttacc 120  
ttctcttcat cttatgaatc gttgagcctg gatcaactca caaaattttt tgatctctct 180  
gtttgtcgca ctcatagcat tgtcagtagg atgatgatca atgaggagct tcatgcaagc 240  
tgggatcagc ca 252

<210> 18901  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957842H1

<400> 18901

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 cacatcgcaa gaaaattcac aagcgatgga tccgaagctg aaagagggtt ctcagctctt 120  
 cgatcgcttc aagacttcgt ttctccgga cgacttcgat aactgttcca atctcctttc 180  
 tcagctaaag gtgttactta caggtttcag aagcctgcca ccgttggttg cagatacacc 240  
 taatgcagtt cat 253

<210> 18902  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957844H1

<400> 18902

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 gcatatagaa gnccatcact gaactaaca agcaacccta tgtcgaaggt ggtttgtgtc 120  
 accggagcca gcggcgccat cggatcatgg gtggctctac tcctcctcca gcgtgggttac 180  
 accgtccatg ccaccgtcca agatatcaag gatgaaaatg agacgaaaca tttggaggaa 240  
 atggaaggag c 251

<210> 18903  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957845H1

<400> 18903

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gtacaagaat gtgattggtg ctgcgagagg tcctggagga tcctgtcttc cattgagcag 120  
aaggaagaaa caaaagggaa cgagttgaat gcgaacggat taaggagtac agacagaagg 180  
ttgaattgga gctatcgaac atctgtaatg atgttatgag agtgattgat gag 233

<210> 18904  
<211> 115  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957846H1  
<400> 18904

ctgcgactct ctttccttcc ctctttttcc gaatctgaat cgaaatggct tcggagactg 60  
agacgtttgc ttttcaggcc gagatcaacc agctcctcag tctaatacgc aacac 115

<210> 18905  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957847H1  
<400> 18905

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agatttgga acaccttcag cgctactcgc acctcactga cttcaacaat tacctcgcct 120  
tcatcttctc ccgtgccgag ggaaaatcag tggagggttcg gcaggctgcg gggttatata 180  
tgaagaataa cctcagaaac atgttcaaata ctatgcagcc tgcataccaa cagtatgtga 240  
aatcagagtt gctgcct 257

<210> 18906  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957848H1  
<400> 18906

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tgctaaaaag cctgccaaaga aaaaagagag tggcaagtct tctgtccttc tcgatgttaa 120



gccttgggac gatgagaccg acatgaagaa gctggaagag gctgtccgta gtattgagat 180  
 gcctgggttta ttgtggggag catccaaact agttcccgtg ggatatggta tcaagaagtt 240  
 gcagatcatg atgactat 258

<210> 18907  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957850H1  
 <400> 18907

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 tgaacctgag aaaaacgaag gtcccttggt ccattgtgat ttttgtgata cagaagtagt 120  
 tcacaagctg gctcaaagt tccctgccagg actagcctgt gcctgtgttg ataacaccac 180  
 aggcggtccc ttcaagaccc ctggttcagt ggctgttgat ctgagaaagg taatgataga 240  
 atttgtcacc ca 252

<210> 18908  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957853H1  
 <400> 18908

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 taaccatgga ttctgtgtgg aaccacacaa tacgacggcg ttttaagaact gggttcttga 120  
 tggcgaggca ttgcactgc cagagactct taaaatgtac aacaaactgt tggctctcgg 180  
 catcaagatt gtattcttat cagaaagacc actgagtcta ggggatgtaa cagccaagaa 240  
 cttaaagga 249

<210> 18909  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957856H1

<400> 18909  
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 ccgacgtgga gcttctgaag agagcgtggc gcaacgagaa gccggcccca gagattctcc 120  
 gctacgaatc taaattgggt tcccgcgtca acaaagtcac tcaactcatg gaagaaattg 180  
 tggaggaaaa atccagtggc ggtactgac ctctttcggg gtctctatat cagatggact 240  
 tggatagaa 249

<210> 18910  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957857H1

<400> 18910  
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 tctgggttag ctgaatcaaa gaaagaacat ggagttgaac tgcttaacaa gctggaagct 120  
 ggtatagatg agcttgaact gatagtacag gataggaatc gagatgcagt tgcacaaaaa 180  
 cagaaagagc ttcttcaata tggttgaggc tgagatgttc ctggggcatt gcatttctgc 240  
 agtggtgaag 250

<210> 18911  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957859H1

<400> 18911  
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 taggagcagt tagcatgttg gctcaggatc aatatggcaa ctacgttggt cagcatgttc 120  
 tggaacatgg gaagcctcat gagcgttctt ctataataaa ggaattagca gacaagatag 180  
 ttcaaagtag tcaacagaag tttgcctcca atgttggtga gaaatgtttg acctttggag 240  
 gtccttctga 250

<210> 18912

<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957860H1

<400> 18912

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tgctgtgaac ttatgggatg ctgatttcta tgtcaaagtt gatgatgatg ttcattgtaa 120  
tatagcaaca ctgggacaaa ctctagtttag acatcgatca aaaccacgga tatacattgg 180  
atgcatgaaa tctgggcctg tcctatccca aaaaggggta aggtaccatg aacctgagta 240  
ctggaag 247

<210> 18913  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957861H1

<400> 18913

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acccaactgt gaggctgatg taccagaagg ccgttgagaa ggcaagaag aagctcagag 120  
gcttcacgc tgagaagaga tgcgctcctc taatgctccg tttggcatgg cactctgctg 180  
gaacctttga caagggcacg aagaccggtg gacccttcgg aacctcaag caccctaacg 240  
aactggctca 250

<210> 18914  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957863H1

<400> 18914

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atccttggct ggcaaggccg tgaagctggg cccatcagcc cccgaagtcg ggagggtcag 120  
catgaggaag accgtcacca agcaggcctc ctccggaagc ccatggtacg gccagaccg 180

cgtcaagtac ttggggcccat tctctggcga gccccgtcc tacctcactg gdgagttccc 240  
 aggtgactac ggc 253

<210> 18915  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957829H1

<400> 18915

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 ggtggatact caattaagct tctgcctccc aaccacggtg gcttctgggt caccagagcc 120  
 acgtttgaga gatttgtgcg ctttgtcagc acaccggcta ttctggagat gtttgttagc 180  
 cttgaaaatg aaattctgca gatcagaagt tcatttcaag ctaatgtctt ttgcaatgtc 240  
 cgttg 245

<210> 18916  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957864H1

<400> 18916

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 agcaataatg ggatctggaa atatacgacc ttcttcttcc ggctgctctc acttgtctat 180  
 ctccgagctc cgcgagaagc accattggga gctagaaaat ctgacactaa cctcacaacc 240  
 tttcaaaaca ttgaaatt 258

<210> 18917  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957865H1

<400> 18917

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 gtttgtttga gcagtgatgt ggagacaaat gagggtttgg agaataatgg tggttgttgg 120  
 caggataaag tagctaacaat caccgcatgc aaggatacgt tccgtgggag agtatgtgaa 180  
 tgccccctgg tggatggtgt gcaatttaaa ggagatgggt atacaatctg tgcagctagt 240  
 ggacctgggc 250

<210> 18918  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957783H1  
 <400> 18918

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 gaaaattggc agggctctaa agcggctcga ggacgacgat gcgaaagcgg ctattgcaat 120  
 ttcggtctct gaagttactc aaacagatga ggtgcttgag ttgtcgaagc aaatcaaaga 180  
 gaaattgaaa gaagctgacg aatatgatct tgaaggcaag tcagatctca agattcgagc 240  
 tttagagggt gtagagga 258

<210> 18919  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957784H1  
 <400> 18919

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 attcagttca gtccaaatcc caaatccgaa gtgagatttg cgatggagag gcttcagcga 120  
 atgttcgcag gtgcaggtgg agctctaggg caccctcccc cagattcccc aactctcgat 180  
 tcctccgagc aggtctacat ctctcactc gctctctca agatgctgaa gcacggaagg 240  
 gctgggggttc ccatggaagt 260

<210> 18920  
 <211> 214  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700957787H1

<400> 18920

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gagcttgatt tctccaacca tgaagtgtt tcgagtccca acatgggtga gcttcccagc 120  
agcgggttcaa tggacagttt cttcgacgag cttctcaagg acacgcacgc ctgcacccac 180  
acccacacct gtaaccttcc cggccccgat ttct 214

<210> 18921

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700957788H1

<400> 18921

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ggttattctt cgaaccgttg tctgaagttt acaactcaaa acttcaccga acgcatttca 120  
ttcaccaatt cgtccaagtc tcgtatcaat caatcagcct atccgtcttg cggttggaga 180  
gatcggaggg gagagcagcc atggcgcacg gagtagacca cgaotatgac tatctgttca 240  
agatcgtatt gatcggaga 259

<210> 18922

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700957791H1

<400> 18922

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gtcactgagt cgttgtcttg cggaggataa tggacttggt atgaacttct acaaggaatc 120  
atgcctcag gctgaagaca tcatcaaaga acaagtcaag cttctctaca agcgccacaa 180  
gaacactgct ttctctggc tcagaaacat cttccatgac tgtgctgttc agagttgtga 240  
tgcttcactg ttg 253

<210> 18923  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957792H1

<400> 18923

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 tgcacgtaca ccaatgggtg gatttcttgg tactctgtca tctctatctg ccaccaagct 180  
 aggctctata gctattgaag ctgctcttaa aagggccaat gttgatccat cccttgtgga 240  
 agaagtattt ttt 253

<210> 18924  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957795H1

<400> 18924

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 cttaaaccgt ttctacgat ttgactctac ttttgattcc ctttccagcc accaaatcaa 120  
 accaatacct cactgtttca tagctttttt cttcaaccca acttcgtggt caacaatgat 180  
 ggattcagaa ggagcactgc ccaggttca ggaaatagag caagaagggtg tcggtggagg 240  
 gactaacaag aagatgga 258

<210> 18925  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957796H1

<400> 18925

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tcctgttgca gttgtgggtcc ctggtgggaa tgtgccata actactattg aaaagtcagt 180  
 tgtgtctgta tctcctcttg ctgatcaatc cagaaatgat cagaatgttg agaagaggat 240  
 tatgtcagat gag 253

<210> 18926  
 <211> 68  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957805H1  
 <400> 18926

gccacataga gggaagcttg gttatgggtat tgggtgtctcg ggattgtgat aaatctgttg 60  
 atgacttt 68

<210> 18927  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957807H1  
 <400> 18927

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 acttgaagaa tgagtcaaag gttggcctct taaagagcct tccacaatca gaaggaaaac 120  
 tgggtgctgtt tgaagctgat atttacaacc caaatgattt tgaccttgca attgaaggct 180  
 gcaagtttgt gtttcatgtt gctactccca tgatccatga acctgggtcc cagtacaagg 240  
 atactagtga agcg 254

<210> 18928  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957808H1  
 <400> 18928

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 tgggtgctaca gctgcacccg tttcgtgcac ctctctgtcc aaagcaccat cgctgcccc 120



cactgtcaaa gcggtttcgt cgaagagatc cgtgccggcg ccggagccga agcctcgcca 180  
 cgccatcgac taagtccttt ccccgatgat cctcttttgc tccggcgaca gggcttccgc 240  
 cgccgtagga gagaagc 257

<210> 18929  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957810H1  
 <400> 18929

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 ctgtaagaag cttgctccgg agtatgagaa agctgcttct atcttgagta gtcattgatcc 120  
 tcctattggt ttggctaaag tagatgccaa tgaggagaag aacaaagacc ttgcatcaca 180  
 atatgatggt aagggattcc caacaattaa tattctgaga aatgggggaa agaattgtca 240  
 ggaatacaaa gg 252

<210> 18930  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957811H1  
 <400> 18930

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 gggatgagga tgcacccatg gaaatttttag atgaagaagc agagaaacct gaaggatggt 120  
 tggatgacga gccagaggaa attgatgacc cagaggcgac aaaacccgaa gactgggatg 180  
 atgaggagga tggatgaatgg gaagcccaaa agattgaaaa cccgaagtgt gaggcagccc 240  
 ctggttgttg tgaat 255

<210> 18931  
 <211> 85  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957812H1

<400> 18931

gtgtttcgct gtctctccca tcctttcgca ttctcaatac ccttttagatt tgtgaaagga 60  
aagcaaacaat gggtgagcag gtcca 85

<210> 18932

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700957813H1

<400> 18932

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gaattcaatg acacagaatc tgaagcatac cgtggatttg gaatgcagtg ataatagcag 120  
gccgtcaaag atatcaaaaa tcgagtatcc gagtgacagt gacattgacg aagaagaaga 180  
aggaatgagc caaaacccta ggaatgggat tcagcgctat ttggttgcaa tcgagtatat 240  
tgggactctc ttctc 255

<210> 18933

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700957815H1

<400> 18933

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agatgtctca aagcaaatac agcagatggg gcagttcatc cgccaggaag ctgaggaaaa 120  
ggccaacgag atctctgtct ccgccgaaga ggaattcaat atcgagaagc tgcagttggg 180  
cgaagccgac aagaagaaga tcaggcaaga atacgaacgc aaagagcgcc aagttgaaat 240  
tcgcaagaag attgagta 258

<210> 18934

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957816H1

<400> 18934  
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 aatgggaagg agctctgcaa gagcatcaat cctgatgagg ctgtggcata tggtgctgca 120  
 gttcaagctg ctatcttgag tggtgagggt aatgagaagg ttcaggatct tctccttctt 180  
 gatgtcacc cttctctctt tgggctggaa actgctggtg gggatgatgac agtcttgatc 240  
 cccaggaaca ctactatccc aa 262

<210> 18935  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957817H1

<400> 18935  
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 taagggtgaa gaatctttca tgtcgaagtc agttgcctgt ggacgaatgt gattgcaagg 120  
 tttgtgcaaa gaagaatggt ttttgcaggg agtgtatgtg ccttgtgtgt tcaaagtttg 180  
 ataatgcctc aaatacatgt agttgggttg gatgtgatgt ttgccttcac tggtgccata 240  
 ctgactgtgg attacgg 257

<210> 18936  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957818H1

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 ttcaggatac gatcctttga caccocaaaat aacgtcagtt ctatcgttat ctactcaact 180  
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<210> 18937

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<223> Clone ID: 700957819H1

<400> 18937

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caatgtgtat attaagattc ctgctacaga ggcattgtgt ccttcaatta aggaagttat 180  
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<223> Clone ID: 700957820H1

<400> 18938

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tctctcaat tccattcatt tcaactcaac aatctctcct atccgtcaaa caaaatataa 180  
aagatagaaa accctagttc tgtaaatata taaaggaaaa aaggtctgat agatacccat 240  
tgtcaataag atc 253

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<223> Clone ID: 700957824H1

<400> 18939

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ggaggggtggc gcgagccagg aaactttgtc tttggagctt cctgctccac ctggttggaa 180  
gaagcagttc attccaaaga aagctggtac cccaaagaaa aacgagattg tgttactgac 240

accaacagga gaggag

256

<210> 18940  
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 <213> Glycine max

&lt;223&gt; Clone ID: 700957825H1

&lt;400&gt; 18940

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 ggactcggga atttggaacca aaaacagttc cccaaatctt gctttttgtc ttgttcttgt 180  
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<210> 18941  
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 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700957827H1

&lt;400&gt; 18941

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 atcgacaata gttcagggtga acgaccttaa gaactctccc ggactgggca agagggaact 180  
 gaggcaggcc accaatcagg cccttcaact gcttcaggac aactaccctg agttcgttgc 240  
 caagcagata t 251

<210> 18942  
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&lt;223&gt; Clone ID: 700957828H1

&lt;400&gt; 18942

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 cggtgttttc agatgggtct acgtcaattt cctccgacca ccgaagaatc tcaaaaagta 180  
 cggatcttgg gcagtgggta ctggaccacac tgacggcatt ggaaagagct tcgctttcga 240  
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 ggcctataca aatattgtgc caaagctaaa aaatgctaac ctctcagttt ttgtagaaac 180  
 attcagcaat gagtttgtgt ctcaagcatg ggatttcttc tcagatccaa ctgttgagat 240  
 caactcgtat attgagggag ca 262

<210> 18944  
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 <213> Glycine max  
 <223> Clone ID: 700957754H1  
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 ttccgctgac tctgaccttc tctggcgagc tttctcccct tctgattact ctgacattgt 180  
 ctcaagggtc ctgagccgcc tctcgcttaa ttctgtttct tcatacaaac acctatgcta 240  
 tgctctgtgt catccactcc tc 262

<210> 18945  
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 <212> DNA  
 <213> Glycine max



<211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957759H1  
  
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 tcgagtcttt ctgggatggc aagagcagcg ccgaggatct gcagaagggtg tcttctgac 180  
 tcagggcatc catctggaag cagatggctg atgctgggat caagtacatc cccagcaaca 240  
 ctttctctca ctatgac 257

<210> 18949  
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 tgccctttga aatatgatga agccatgttg gaggaggaag aagatgaaaa ggactttgtt 180  
 cttttgactt caattattag tgaagtttat atatatatgg taatgttaga atttggaag 240  
 atgtgttcgt gttcatgtt 259

<210> 18950  
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 <213> Glycine max  
  
 <223> Clone ID: 700957761H1  
  
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 tctttcttct ccgaagaaga aaaatggctc tcggcgacga tgcgcacacc actctccctc 180



gttcctcgat gcccttctct gcgaagagcg agaaaccttc gaggaagact ttgatgagaa 240  
cggttatgag cgtgaga 257

<210> 18951  
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<213> Glycine max  
  
<223> Clone ID: 700957762H1  
  
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tggtctccag tccccgcacc gtagaagaca tcttcaagga ttacagcgcc agaagaacct 180  
ctgttattcg cgctctcact cactgacgtg atgaatttta cggcctctgt gatccagata 240  
aggataacct gtgcctcta 259

<210> 18952  
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<213> Glycine max  
  
<223> Clone ID: 700957763H1  
  
<400> 18952

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caggcttcag aagtacgcac tccgatctgc caataagttg aaggaagaga agtcagaaac 120  
tccaattgc tccattccta cttctgaaac catgaggggg agaagtgtag gtgcttcaag 180  
tgtaagtaaa agtgtgagtg ttcttgattt ttctggcaag gacaagtctg gtagtgccaa 240  
gccaccaga aggctctcaa t 261

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 agagcgttca atttgaagag ttgcatttga gaaatggcat cggctttgat ctgcggttct 180  
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<210> 18954  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957765H1

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 aaggaagccc cgaccccgaa agggctgccg tccgatgggt acacgaaagt gacgaagttg 180  
 ctttgactac agaaccatgc ctgtctgttg gagtgaattg gatgatcggg ccgagggctg 240  
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<210> 18955  
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 <212> DNA  
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<223> Clone ID: 700957767H1

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 acaatgatgg catgaatctc tcagcccctc aaaccttccg ctctaaggaa atctccaaga 180  
 gcaatgttgt tgacgatatg gtcaacagca acgcatcct ctatgagccc ggtgaacatc 240  
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<210> 18956  
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<213> Glycine max

<223> Clone ID: 700957769H1

<400> 18956

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<210> 18957

<211> 260

<212> DNA

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<223> Clone ID: 700957770H1

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gtgctgacct tgaaaagttc tccaagtcg acatgagata aggctgctgc tgctgctgct 180

tttcaaagat gttggagctg gtttcaatta gtagacaaat ttgggtgctg aatttcgtgt 240

tcatgtgtct tcaatagatg 260

<210> 18958

<211> 69

<212> DNA

<213> Glycine max

<223> Clone ID: 700957771H1

<400> 18958

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<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700957772H1

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 ttgacgcgca caatgcagct cgtgcagagg ttggtgttga gccactcgca tgggacgaca 180  
 ccgtcgcagc ctacgctcag caatatgcgg actcgaggat caaagagtgc caagtagtgc 240  
 actctcaggg gccttatggg g 261

<210> 18960  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957773H1  
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 tgcaaacctc tccaatgttt ctcgaaatta tatgaccatg cgtcgaattc gtatgctgca 180  
 ctcttctcc gtcgtgttcc tctactggtt ctacgttttc tcatgaactc cctctcaaat 240  
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<210> 18961  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957774H1  
 <400> 18961

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 aatctcctgc tctggaaaag ccacttaact actcgттаат atggagcctg gattcacatg 120  
 atgagtgtgt ttacttttgg ttgccaaacc ctccaacagg ttataaagcc atgggcatag 180  
 tagttactag cagtcctaag gaacctgaag ttgaagaagt tagatgcgtg cgagatgatc 240  
 tcacagaaac ttgtgaga 258

<210> 18962  
 <211> 258  
 <212> DNA



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251

<210> 18965  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957778H1

<400> 18965

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gttcccaactt gggcttttga tcacatcaaa tacttcaatg gaggttctga gattcaactt 180  
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ttcagcatga acataa 256

<210> 18966  
<211> 258  
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<213> Glycine max

<223> Clone ID: 700957779H1

<400> 18966

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gctcgtaaat tatgttcttg aaaagtacat agatcgattg ttttgagctc gattaagttt 180  
gcctacggga agtaatatca attattagtt atgttgatgt caacgaagac aatgagtatt 240  
ttgatttgtc gagttttg 258

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<213> Glycine max

<223> Clone ID: 700957780H1

<400> 18967

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 agccatatag acacttgtaa gtttgatca tttttttatt ttatggaata atctcatgtc 180  
 tgctataaaa gtttgatttg ggagttggag gaaggaaata atttggtgtt tgtattctcg 240  
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<210> 18968  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957781H1  
 <400> 18968

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 aaatactgct caggaaggag atctctctgt gaatgtggat atggcttcag gcattgggtct 180  
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<210> 18969  
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 <223> Clone ID: 700957752H1  
 <400> 18969

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<210> 18970  
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 <213> Glycine max  
 <223> Clone ID: 700957712H1  
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 tgcagcagag gatgagtatg ctgctcctcc ttctgggtgga agtgggtgctg gcccgaagat 180  
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 <213> Glycine max  
 <223> Clone ID: 700957715H1  
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 aagaattgga agagattttc ccgaatgcat tacaggtgaa ccttagctat ggaattttgg 180  
 ctgtaacttt ttgttcgtaa acacaaaagg aacaatagtt taggttaatg tttgtttttc 240  
 ctcactttta atgaggcatt ctac 264

<210> 18972  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957716H1  
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 atgggcaaca tcattctctt tggagtgttc cttgctccat tgccaacctt ttaccaaadc 180  
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<210> 18973  
 <211> 271  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700957719H1

<400> 18973

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gaagaggcta ctacccccga cacgttgaag gcgggggttg ctgagttcat ctccaccttg 180  
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<210> 18974

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700957720H1

<400> 18974

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gagggagaac cgccgccgcc gctgccgccg ttgtggatcc cacgccggac caggccaagg 180  
agacgacgcg gttccgtggc gtgaggaagc ggccgtgggg gcgattcgcg gcggagattc 240  
gagatccgtg gaagaagcag cgctttg 267

<210> 18975

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700957723H1

<400> 18975

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taatatcgaa tctactgaaa tctgaaaaag cacttggtga gcatgcaatt gagctacgag 180  
ctgatctata gaatgctgca tctgatgtgt caaacctgtt ttctaaaatt gagcggaagg 240

ataagattga ag

252

<210> 18976  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957726H1

<400> 18976

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tcgcttcac atcctcacca ttctcctttc cctggcactc tcagatggag gttccattgg 180  
agttaactac ggtcgtatag cgaacaacct cccctccgcg gtgaaggctg ttcaactcct 240  
caaatcccaa ggactgacac gtgtc 265

<210> 18977  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957728H1

<400> 18977

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gatgggaact tgatggtgtt ggggaacaaa gtgctgagcc atgtccatga caaggttctt 180  
gttaccctg catgtggtgg tgctttgctc aatggggcat tcattggggg tcaatcccat 240  
cacaagggtg gccgcacagt ct 262

<210> 18978  
<211> 110  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957729H1

<400> 18978

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266

<210> 18982  
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<223> Clone ID: 700957733H1  
  
<400> 18982

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aagaaggcga ctccgtccct ctctacgcca acaaagttgg ccccttcac a 171

<210> 18983  
<211> 156  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957734H1  
  
<400> 18983

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<210> 18984  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957735H1  
  
<400> 18984

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agatgaaaca tgcggcggag ggcgcacggg ggaagaattg ctccgccagg cccaccaggc 180  
agggcga 187

<210> 18985

<211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957737H1

<400> 18985

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 gatgctgggt cctgaccagc ccgtgaccc cccatgctt gacattcttc cagcagcaga 180  
 gtacttgaat ggggttaaaa tggaattggg ggatgctgca ttccctcttc ttaaagggtg 240  
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<210> 18986  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957738H1

<400> 18986

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 cttccatggc tctctcatcc ccaccccttg ctggcaagcc cgtgaagctg ggcccatcag 120  
 ccccagaagt gggaagggtg agcatgagga agaccgtcac caagcaggtc tcctcaggaa 180  
 gcccatggta cggccagagc cgagtcaagt acttgggccc attctctggc gagcccccg 240  
 cctacctaac cggtgagtcc ccagg 265

<210> 18987  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957740H1

<400> 18987

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 accttttctt ccaattgcag agtcaaagtt taaggcctaa gttctctcag ctctcattca 180

accacttcc atcatcaact tcttcctttt cttcaccccg tacattcaca actctggccc 240  
tcttcagatc taagaccaa gccg 264

<210> 18988  
<211> 264  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957741H1  
  
<400> 18988

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aatgacagaa cgagcaactc caaggatcca tcgacacaga taaaagagta ttccctcgct 120  
ccctccacag ttctaggggtt cacttttgaa cacacgttgc caaaccgccg ttcattccaa 180  
tccaaagtca taagaacaag aagatgggtg tgggcatatc atttctgata gcactaaaag 240  
caacaatcct cttcttatgc ttcg 264

<210> 18989  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957744H1  
  
<400> 18989

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aaacaagttt catccctctt gctattccct ttgtttctca tttttgccct attcaaattc 120  
tctcatgctg gtgggattgc agtctatctg gggcctaaac ggcaatgaag gctccttgga 180  
agaagcttgc aacactgaca actaccaata tgtgaacata gggtttcttga acgtttttgg 240  
caacaaccaa atcccacaac t 261

<210> 18990  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957745H1  
  
<400> 18990

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 atttcgactg aatagatatt ttagtccgtg atatttaa atttcattca ctttattatt 120  
 ttcgcttctc ttttcatttt tatcaccctg ccacacattc acatttccac ttcctatgta 180  
 caattttata taattatata ctatcatgtc agtttctcct tgaattatta attattta at 240  
 atgacaaaa taattattca 260

<210> 18991  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957746H1

<400> 18991

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 cgccgggggt aagtctaagt gtagtaccgt tgggattcaa ggaatcgctt gggccttcgg 180  
 tggcatgatc ttcgccctcg tttactgcac cgctggcatc tcagggggac tcataaacc 240  
 ggcggtgaca tttgggctgt 260

<210> 18992  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957747H1

<400> 18992

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 ggatgattcg gcgttcaaac gagacgggtca ctttaactga acttactcct gctcttctca 180  
 gagagatgtc cgttacagct gtggcacttg tggttatgag ctgaacctgt cctcctcgaa 240  
 ccggaacact gcatccattg g 261

<210> 18993  
 <211> 71  
 <212> DNA





<213> Glycine max

<223> Clone ID: 700957711H1

<400> 18996

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 cttttctttc ctctgtacaac ccaccacatt caccaaatcc ttcaatatta acatattcac 120  
 ctccaacttc tatacttgta gtttttattt catttccctt tcaactctttt tgcttatttg 180  
 tttccagaga gaggaacatt aatatataca aactaaacat ggtgttggtt tccccaaact 240  
 caataaggcg cgaagggtt ctaccag 268

<210> 18997

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700957646H1

<400> 18997

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 ggactactgc tgcacgtgca tcaacatctg aatctgggtgc tgtgattacg atctcaaagg 120  
 aggagtttga ctactaagc cataaagttg aggagtcaga taaattagca gatatgtaag 180  
 tggctgctgc caaggcacag gttgaagctg tgacggctag tgcaaatgag gc 232

<210> 18998

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700957647H1

<400> 18998

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 tattgactgt gctagtgcgt ataagaatca agcagagatt gggtctgctc ttaagaagct 180  
 ttttgatgat ggtgtggtga agcgtgagga acttatggat cacgtccaca ctctggtgtt 240  
 cag 243

<210> 18999  
<211> 124  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957648H1

<400> 18999

ataaaatgtc aaagacaagt ttccttgact tccaatacaa cctctcaagg agaaaatacc 60  
tgaggaagcc atcgcgcttg ttctcccggg acaggcagaa ctctgggctt aagggtgtgt 120  
ttct 124

<210> 19000  
<211> 207  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957649H1

<400> 19000

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tcttcccgtg ggagcttcct ctttcaagga agccatgaag atgggtgtag aagtatatca 120  
caatttgaag tctgtgatta agaagaaata tggtaagat gcagtaaata ttggtgacga 180  
aggtggcttt gccctaaca tccagga 207

<210> 19001  
<211> 151  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957651H1

<400> 19001

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acatcacaaa aatctccaat tacgcatttt ctcctccgt agtccgttcc ccgaaccgga 120  
caaaacctga cattgctccg gatcccgga a 151

<210> 19002  
<211> 135  
<212> DNA

<213> Glycine max

<223> Clone ID: 700957656H1

<400> 19002

cgcggtttta gttgtgatca ataagtcgat agttagaaca atagtcttgg tataaggacc 60  
 ttgccaataa ttttttagtt ctgattcaca gagctaagac agttccgtct tagacttta 120  
 aagttttgat attta 135

<210> 19003

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700957660H1

<400> 19003

cagttagtac aaaaaagggt tacttcagct tccacatatac ttgaagaagt gatcaatggg 60  
 caagtctgta gttgagaagc tactttggat ggcaattgtg tgcttggtgc tgggtgta 120  
 ttccattact cccaaggccc aagcagcagt gacatgcaac caggtgggtga gcaacctcac 180  
 cccatgcatt tcttatgtgc tcaatgggtg caaaaccgtg cctggccctt gctgca 236

<210> 19004

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700957663H1

<400> 19004

ctttgcaaca caacaaaaaa gggcaacaca gagagaagcg tcttaataaa cgctcttctc 60  
 tgaaaaacct gatttcttct cttcttctct tctctttcgt ttcgatcttc gatctctg 118

<210> 19005

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957665H1

<400> 19005

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 caaatttcat tggaagacca cctctggcga aaagtctctt ttggacgacg aggccatcag 120  
 ggttggagga tccaaccaca gtcatgccac ccaggacctt tacgattcaa ttgctgctgg 180  
 aaactatcct gagtggaaac tctacatcca aacattggat cccgaaaacg aagacaggct 240  
 tgactttgac ccccttgatg tt 262

<210> 19006  
 <211> 100  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957667H1  
 <400> 19006

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 ttccacctcg caagtcacg tcgtcttcca cgctgattct 100

<210> 19007  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957671H1  
 <400> 19007

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 ctggccaaag aaggacctaa ctgggacggg ttgctgaaat ggagcattgc tcaactccgat 120  
 gggactagcc ctactcgcaa tttaagttag gaggatcgaa aatgggttat ggaagcgatg 180  
 caagcacaga ccattgatgt tgtaaaacgt atgaaagaga tcacacttgt gatgcaaa 238

<210> 19008  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957673H1  
 <400> 19008

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tgctggccat gttgcttaat ttagttcttg ctctctttgt ctctcttgagt tttatcagag 120  
 acgggagtgac agggatcact agctctttca ttcggtcaga gtggccggca gttgacatcc 180  
 cccttgatca tgaagcattt gcagttccaa agggttataa tgcacctcaa caagt 235

<210> 19009  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957674H1

<400> 19009

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 atgcatcgcg agtcttgggc ttttgtcttc ggcgttatgg gcaacatcat ctcttttggga 120  
 gtgttccttg ctccattgcc aaccttttac caaatctaca agaagaaatc cactgaaggg 180  
 ttccagtcac ttccttatgt tgttgactg ttcagtcaa tgctttggat t 231

<210> 19010  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957678H1

<400> 19010

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 attgatcaag agaggaatag tgacttccta agcatgctgc gagggtttgt tgcaaatcaa 120  
 gcaggctatg cagagaagac agcaactgtg tgggagaagc ttgcggaaga aacggctgct 180  
 tacttgagag acagcagcta aaatgtactt ggctgtaaata tcttattttt g 231

<210> 19011  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957680H1

<400> 19011

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atgtcgtatg tacgaagcga agtaccgcga ggtggacatg gcggtgatg 109

<210> 19015  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957689H1

<400> 19015

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tcgatgggtcg ccaatatgat gctaagatga gtgaattgct ttccactgat gggcaagaag 120  
tcttcacctc ttatgatgaa gtgtatgaca gctttgatgc aatgggattg caagagaatc 180  
ttctgcgagg catatatgct tatgggtttg agaggccttc tgctata 227

<210> 19016  
<211> 225  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957690H1

<400> 19016

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cttgctatta ctacactttt gaaaacagga aatgaatcta gtgtggatcg tcttatgaag 120  
cagatcacia atttcatgtc tgatattgct gatgagttca aaattggtgt tgttgaagca 180  
ataagatcat tgtgcctgaa gtttccttta aaatatcgat ctctg 225

<210> 19017  
<211> 62  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957691H1

<400> 19017

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aa 62

<210> 19018

<211> 161  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957694H1  
  
 <400> 19018  
  
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 ctaagaaaat agaatgttta actgcaagat gtatgttgaa gtctaagctt gtatggttct 120  
 tgagaagggtg gatttggttaa tatttgggggt tagcaaattg a 161

<210> 19019  
 <211> 227  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957695H1  
  
 <400> 19019  
  
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 cgtagatccg gggattcccg atataggtca acctttcgaa ctgctgctga atccacgggc 120  
 aggcaagaga caacctggtg aactgaaaca tcttagtagc cagaggaaaa gaaagcaaaa 180  
 gcgattcccg tagtagcggc gagcgaaatg ggagcagcct aaaccgt 227

<210> 19020  
 <211> 141  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957696H1  
  
 <400> 19020  
  
 ttcattctca tctttcgctc ttctctctcc acccaaacc taactcccga ccctgttccc 60  
 ctctcgatc cgatcatgaaa ggaggaaagt ccaagaccga atctaagaga gccgatccca 120  
 aacttgctgt gaataagaag g 141

<210> 19021  
 <211> 273  
 <212> DNA  
 <213> Glycine max





<400> 19024  
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 attcttaact cttaagaact gattcaccaa cgacccctct gaatttcaga aactatcaat 120  
 gaagggggaa gtgcagcttc agcctccagc ggttatgcaa aaccctagtg attcggaccc 180  
 tttgctccat aaccaggagg aggaggagga ggatgagtca ccgggaagct ctggtgagat 240  
 caagaatgag gaagaagacg ttgaggctgg a 271

<210> 19025  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957706H1

<400> 19025  
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 gcggcgaagc aaacgcagaa tcggcggcag aaattgccac cggaagcacg tcgaagacgg 180  
 gtgaacaaaa cacaaaattc catccaccac ttctctcttc aatccccaac tcaaattctgt 240  
 gaagaaaatc tcaatttcta aattg 265

<210> 19026  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957708H1

<400> 19026  
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 cataattctg gaaaggtgtg atttctcttg tattatcaca taaagattat taccctctct 180  
 aacagtttat agctgtaggc atggttcttg tggattaggc attatgtagg atggcaaata 240  
 ttgtagtttg gtaataatta tttatt 266

<210> 19027

<211> 221  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957709H1

<400> 19027

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 atctacgcgg gaaggcagcg gtagcccaag cagcattggc ttaccagctc taccaaagga 120  
 aattttctgg tccaaggtgg gaagctctag ttaaaaaggg ggccaagaag caaaggctcc 180  
 tctgggcctc aaccagtgtg aagaatcctg cctattctga c 221

<210> 19028  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957601H1

<400> 19028

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 atttgaatgg agagtggtag agactattcc ctgtttgaga ctaggaaaga caaaggaagg 120  
 cacattcgaa ggatctatgc aatctctttg tttgtggcca tatgcttcat ctgggcttac 180  
 agattgagcc acataccgc atatggcaaa tgggcttggc ttggtttggt tgctgcagaa 240  
 ctctgggccg gtttctattg gctcttt 267

<210> 19029  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957603H1

<400> 19029

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 gaggatttca gtgatgatgg cgacaaacat gcccttgaag aggtagactt gtgttttcat 120  
 gttttataac tgatttacct atctgaatat gtaatgaaat tccccctaaa gaagaatttc 180  
 aagtcttttg gggtgcgttt ggtgttgccc atgctagcaa cggcaatgaa tctgcaatga 240

gtgtgtttgg actggtggt

259

<210> 19030  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957604H1

<400> 19030

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tatacgtcca atgcttgttt atacaggctt gattgaacag ttacaacggt tcttcaaggt 120  
caagaaatca actagtgcaa caccacctgc aaggactgaa ggggcttcat ctactataga 180  
aggggaagat gaaagtggaa atctggaagg ctgggaagtg gtaatgaaag agcgactctt 240  
gaatgtaaaa gaactgctcg agttcccc 268

<210> 19031  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957605H1

<400> 19031

ctcgagcctg cttgggagag tgaagaggtg aaagcttgag agcatataaa gcttgaggcc 60  
tgatttctgc gtttctcgga gaatttgtct tcaaaaaaga agggcaacca gtggatttat 120  
gtcgtctggg tttattctgg cagtgattgg ggctccgttg aagctcttca ttgtatatgc 180  
tttcgtttct ttcttcttga ctctctttgt ttgctactgt tgctgtatgc tacactgcat 240  
tctgagccac aatactgtga acctac 266

<210> 19032  
<211> 179  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957606H1

<400> 19032

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cctgacagca aggttgcttg tgaaacctgc accaagacca acatggtgat 230

<210> 19036  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957611H1

<400> 19036

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ccatgctgac tggaatggca cggaggttgc tgtgaagaaa tttttggatc aggatttttc 120

aggcgctgca ttatcagaat tcaaaagaga agtgcgata atgcgtaggc tacgtcatcc 180

gaatattggt ctttttatgg gtgctgttac tcgtcctccc aatctgtcaa tcatttcaga 240

gtatctacca agagga 256

<210> 19037  
<211> 102  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957612H1

<400> 19037

tcgagacgtt ttcaaatttg aagtcaaaca cggtcaactg tcgtctttgt aattcattcc 60

catatcgta aaggtgggga aatttgcttc cacacaacat ac 102

<210> 19038  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957615H1

<400> 19038

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agcaatcggc gattaggagt gagagtgata tggagggaat tgcaggaaat agcagcagat 120

acagtctgaa accctcgga atttgcaacg aagatattct gatctgcgtc gacgtcgatc 180

ctcagtgcct cgtcgaaatg caaggtgcc a cgggtcccaa tggcagaccc ctcacccgtg 240  
tggactccat caaacaagcc atcgt 265

<210> 19039  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957616H1

<400> 19039

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ggcctcaaat tgggtctacct aaagatcaaa gccctccacc ttacacgaga ccagatgacc 120  
tcaagacggc atggaaggtt ggtgttctca ctgcggtcat caagcatatg tcccctgata 180  
ttgccaaaat tcgcaagctt gtgaggcagt ctacgtgtct tcaagacaaa atgactgcaa 240  
aggctagtgc tacctggctt g 261

<210> 19040  
<211> 183  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957617H1

<400> 19040

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gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc aaacactccc 120  
attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttgc aatcgatgat 180  
cac 183

<210> 19041  
<211> 201  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957620H1

<400> 19041

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agttgatgtt tggtcagtgg gatgtatatt tgcagagatg gtaaaccgac gacctctatt 120  
ccctgggggac tctgagattg atgaattatt taaaatattc agaatcttgg gtaccccaaa 180  
tgaagacaca tggcctggtg t 201

<210> 19042  
<211> 207  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957621H1  
  
<400> 19042

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ttttgcccgt gttttggatc cgaggaggcc aagggggtgg cggatcgca cccggtcctg 120  
ctgggttcgg gcatgggagg ctccattgtc aattccaagc ccaagaaatt cgggttcacc 180  
actcgggttt gggtcagact cctcctc 207

<210> 19043  
<211> 254  
<212> DNA  
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caagtcgatc agcccctcca gggtctgtgc gatgtggaat gcggcaagga gttcattttg 180  
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 ccgataacca gtgttt 196

<210> 19046  
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 cagcccgaat tccttcccct cactccttct caatcgggct cgttcattct cctcttttag 180  
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 agtgtctc 248

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<223> Clone ID: 700957628H1

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tgcgtaaca aggctaactc cgaactttca tcgcaccaga agaagatctt caaggctgac 180  
aaccacatcg gcgtcgccat cgccggcctc accgcccagc gccgcgtcct ctcccgtac 240  
atgcgat 247

<210> 19049

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 700957630H1

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cagcaatgag gtggcatgtg ccagttggag gcttggcgtg gaagcaaaca acg 173

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<212> DNA

<213> Glycine max

<223> Clone ID: 700957631H1

<400> 19050

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 ctggagatgg ttgtatgatg attctgcaag taagtgatct accatatgtc tctatgtcaa 180  
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<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700957632H1

<400> 19051

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<211> 163

<212> DNA

<213> Glycine max

<223> Clone ID: 700957637H1

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<210> 19053

<211> 132

<212> DNA

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<223> Clone ID: 700957595H1

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cgcttctttt tg 132

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agactatgaa 130

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cgtgatagcc tctattcatc agccaagcag tgaagtgttt gagctatttg accaattata 180  
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tgcacaa 247

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aggaggcacc cccagctcct ttgtttgaac ctggtgagct caaatcatgg tccttctaca 180  
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<223> Clone ID: 700957644H1

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ctat 124

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<223> Clone ID: 700957545H1

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tcatgccctc aggctgtaga catca 145

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<223> Clone ID: 700957547H1

<400> 19059

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ctgtttcttt gcccaaaaga agactacc                                148
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8179

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<210> 19067  
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<212> DNA  
<213> Glycine max  
  
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aggtttctgt atgagccgat gtgggaccca cggctcttcc gcttctcatc tgaagaagaa 180  
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<210> 19069  
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gctccacgag atgcagagga acttcctttg gtcaccagag caaggagcag ataagag 237

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<210> 19071  
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<400> 19071

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gatcttattg acatcataac cacaatagct tgggtagcat ctggatcatca tgcagctgtg 180  
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<223> Clone ID: 700957567H1

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<223> Clone ID: 700957568H1

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<223> Clone ID: 700957570H1

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<210> 19076  
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<223> Clone ID: 700957572H1

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<223> Clone ID: 700957573H1

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acactctaaa agga 134

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<223> Clone ID: 700957577H1

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tatggcatcc tggatgattt tatcacaaag caacttcac ataatgtga 229

<210> 19079  
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<213> Glycine max

<223> Clone ID: 700957578H1

<400> 19079

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 acttcatacc ggcaggtccc gccagcgggg cgcggcgcgt gaccgccgac atcctgtggc 180  
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<210> 19080

<211> 170

<212> DNA

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<223> Clone ID: 700957579H1

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<210> 19081

<211> 97

<212> DNA

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<223> Clone ID: 700957582H1

<400> 19081

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<210> 19082

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957585H1

<400> 19082

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<400> 19085

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gaatacaaat cagctgagag agagaagctg gagaaggagg gatacagaat cattggaaac 180  
gttgagacc aatggagtga cctcctggga agcaacaaag ggactaggac ttttaagctg 240  
cctaatacct tgtacta 257

<210> 19086

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700957588H1

<400> 19086

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<210> 19087

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700957589H1

<400> 19087

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gctatcgac gactgcatt tgcaaagaac ctccgtcctc agtccctgcc tacgaaggtc 120  
ctcgtgattg ggatgctggg catggcggct aatgttcctt tgggtatatg gcgagaacat 180  
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<210> 19088

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700957590H1

<400> 19088

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 acgacttggga agactcttcc atccatccag cctctctccg atcagcccc ctctccgacc 180  
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<210> 19089  
 <211> 61  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957592H1

<400> 19089

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<210> 19090  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957593H1

<400> 19090

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 gtatatcact tggatatattg ctaaacttta atgtcttcta cctttcactc ctgactaatt 180  
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<210> 19091  
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 <213> Glycine max

<223> Clone ID: 700957594H1

<400> 19091

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cgccgtaacc gttagatcga gcgactacga ctacgattgt gtgacactgc atacgttāga 120  
 accggttcgg tgttgaaggg cggaacggac tctaagatcg ggctgaagct gtacgacaag 180  
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 tacgact 247

<210> 19095  
 <211> 240  
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 <213> Glycine max  
 <223> Clone ID: 700957496H1  
 <400> 19095

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 gagtggattt gagacaagtg gtggcaggtg tcctcaccct cacaatgttt gtcatgcttg 180  
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<210> 19096  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957501H1  
 <400> 19096

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 gcttgctagc ggtggccatg acaaaaaggg tggttttatgg ttcacagatt ctctaaaaca 180  
 gaaagccact cttgaagagc atgcatatct aatcactgat gtccgtttca gtccaagcat 240  
 gcctcgtctt gcaacatctt catatga 267

<210> 19097  
 <211> 175  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957502H1

<400> 19097

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agacaaagga aggggttagg gtgtgacctg agatcaaaat gttgcggagg cttctctctt 120  
ctcacctcaa aaccctagcc tcctccgccg ccgccgccgc caccgccact ccccg 175

<210> 19098

<211> 161

<212> DNA

<213> Glycine max

<223> Clone ID: 700957505H1

<400> 19098

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gtcaaatggc cgggggttgc cgctccctaa gagagagctg tgtgagtgat cacctttggg 120  
agagacacat gaaacagaaa tggggtagaa ttattggtca a 161

<210> 19099

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700957507H1

<400> 19099

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tgtcttctgc agctaaagag attactgtca gggaggctct gaactccgca ctcgatgagg 180  
aaatgtcagc tgatcctaaa gtgttcttga tgggtgaaga ggttggggaa tatcaggggtg 240  
catacaagat 250

<210> 19100

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700957508H1

<400> 19100

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gccacgacgc tcggtgcaa gctcaccgag gtccggaaga acgggacatg cccttggtg 120  
agacctgatg gcaagaccca agtcactgtt gagtactaca atgacaaggg tgccatggtt 180  
ccaatccgcg tccacactgt gtcactctcc acacagcatg atgagcctgt cacaaatgat 240  
gagattg 247

<210> 19101  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957509H1

<400> 19101

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actacttcac catcgccgga taaaatggtc gacgacggag caacctcggc ggcgacgagc 120  
cggagaaaagc cgtcgtggag agaaagagaa aacaacagga gaagagaacg gaggagaaga 180  
gcaatagctg cgaaaatata ctctggactt cgagctcagg ggaacttcaa cttgccaaag 240  
cactgcgaca acaacg 256

<210> 19102  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957510H1

<400> 19102

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atcagaaaagc attcgactca ggattatcat acgatagccc agcatcagtt ctagggcttc 120  
ttttcgtggg gaatagcatt atcttcatga cactgggttt ggccattggc taccagttg 180  
cttcagcttc agttaagggtg cttcaagggtc tgtggaggaa tgatttagca gcactaaagg 240  
gttcttgtcc aaattg 256

<210> 19103  
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<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957511H1  
  
 <400> 19103  
  
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 aagacctgag ccaggaactt ctgctaaaca aggtgacccc attaaaagtg gcacaatcat 120  
 tagattgcag cacatgagaa caaggaagtg gctgcacagc catttgcattg catccccgat 180  
 atcaggcaat cttgaggtca gttgttttgg aggagaatcc gaatctgaca ccgggggacta 240  
 ttggaagctt ataatagaa 259

<210> 19104  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957514H1  
  
 <400> 19104  
  
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 aacagttggt tcccgtgtaa aagttgcttc cccacagaac tgtaaagcaa acgggttagat 180  
 gcaccaacac aagcaccact aacgaaccat tgggttcagtt caatatataa cgaatccgat 240  
 actcttttca tctcaca 257

<210> 19105  
 <211> 141  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957515H1  
  
 <400> 19105  
  
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<210> 19106  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957523H1

<400> 19106

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 cactgctgac ttgcaaatgg tggatagggg aatcccgtat tttcctctag caaacagtcc 120  
 tttaaaatat ggccagtagc aaactaccaa atacgtacta cagatgaatt ccccaa 176

<210> 19107  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957524H1

<400> 19107

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 gtctcctact actgcttata atccacctga agattcttta agtcaagatg tgattgcgac 120  
 tgtagagaag agtatgaaaa aatatgctga caacctaata cggttt 166

<210> 19108  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957525H1

<400> 19108

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 tcgagccaac tactcgcccc tccaggcgcc ggagtttggg catcttacct ttaaaataca 120  
 tcgctgacat ggcggtgccg ccgtcggatg gttcacggaa acgtcccaag ctggatctca 180  
 gggaccgcga taacgtagtt caaaattgcg acgaatccac tggacacaag gtggtgacaa 240  
 aagaagccaa agtggaatc cacg 264

<210> 19109  
 <211> 253

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957526H1

<400> 19109

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caagacgacg gcaaggacta ccaggagccg gcgccggcgc cgctgggtga cccgacggag 180  
tttacgtcat ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240  
ctctacatca ccg 253

<210> 19110  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957527H1

<400> 19110

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ctgaacaaca acaacaacaa caacagggtcc tacgtacag acccacctcc aaagagatca 120  
tttttattac caattttccg atttcacaga gaaaattctt tgtgggcacg tcttcaaaaa 180  
tgtcaagctt cccaagccg gtggcggaag gccgcacgtc cggcaaggca ccggtcaa 240  
ccaccttttc tca 253

<210> 19111  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957528H1

<400> 19111

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ttattagtaa ttgtgttggt ttgtgttgag cagagagtag gatcaagaaa ggataagaag 120  
atagagggaa tagggtagg gttagggtta gggtaggtt gaggatgccg aagaacaagg 180  
gaaaggagg taagaacagg aagaggggaa agaacgaggc ggacgacgag aagcgagagc 240







<210> 19118  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957541H1

<400> 19118

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 actagctgag ttcattctcaa tgctcatctt tgtttttgcc ggggaaggct ctggaatggc 180  
 ttataataag ctgacaaaca atggctcagc aacaccagca gggttagtgg cagcatcact 240  
 gtc 243

<210> 19119  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957542H1

<400> 19119

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 gtcattgtagg tgggggttgag tgaataatag ttaataatctt aaaattcaca tcataatgga 120  
 accttagcat cgaaggacaa attatagaat gttgtgtgtg tataaattcc accaaagcca 180  
 cccacc 187

<210> 19120  
 <211> 157  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957543H1

<400> 19120

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 tgcaaccac caagttgagc aggagcaaca ctttgcagca aaagtctact cagtccattt 120  
 ccaaggcttt tggtttgga cctggttgag ctaaaaa 157

<210> 19121  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957450H1

<400> 19121

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 gtttgattg tgcaaataca aagatcatca aactttgtcc attcaagagt tcccgagaat 120  
 tctgctcctg gtcaactccc aagaacagtg gatgtcattg cagaagacga tcttggtgat 180  
 tcttgcaagc ctggagatcg agtggcaatt gtggggatat ataaggctct tgcagggaaa 240  
 agcaaaggca gtgt 254

<210> 19122  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957451H1

<400> 19122

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 tagaacaaca acttcacttc tcaaactgtc agaataatat ttcataccat cccaatccaa 120  
 ttattcaccc tcttcctatt tcaactccctc attctctc 158

<210> 19123  
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 <213> Glycine max

<223> Clone ID: 700957453H1

<400> 19123

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 acattcaaca gaag 134

<210> 19124  
 <211> 253

002220"FF550

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957456H1  
  
 <400> 19124  
  
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 aagctcttac agatccaaca gctcgtgaaa attatgaaaa atatggccat cctgatggca 180  
 ggcagggatt ccaaattgggt atagctcttc ctcaattcct gctaaatatt gatggggcat 240  
 ctggtggaat act 253

<210> 19125  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957458H1  
  
 <400> 19125  
  
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 agaaaaaaca tgtctagggt ttttggattc ttctttgtgg gtctacgttg atgttggtcg 120  
 gtgtggcaaa tgctatggct aactcttcca acaaatttga tcaactcttc caaccaagtt 180  
 gggcttttga ccactttatt catgaaaggg atcttctcaa actcaaactt gacaaatttt 240  
 ccggg 245

<210> 19126  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957459H1  
  
 <400> 19126  
  
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 gttgcgcaaa tcatccgatc tgaaatcgcc gacgaggtgc gcctctctct caaaaatacg 120  
 gcaagggttc gggactagca gttgtgatag tagggaacag aaaggattca caaagctacg 180  
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ccga

244

<210> 19127  
<211> 169  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957464H1

<400> 19127

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aggctttggc tcatgccctt cacctggggg gcttgggttt ggccataaa 169

<210> 19128  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957465H1

<400> 19128

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ttctcggaga cagcatcaaa atccaaaact gttatttttt ttctcgtgatc tcttactttt 180  
ctgaacgcca cacagatcca atggctcgagc tgctactaat cacatgcac tcactacttt 240  
tcctcattc 249

<210> 19129  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957468H1

<400> 19129

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tatgaagggt gacaaattta tggagttcct ctgggtggaa caatagtaca gcaacctttt 180

gctatcggag gatctgggtc cagttacttg tatggtttct ttgaccaagc ctggaaagag 240  
ggaatgacca a 251

<210> 19130  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957470H1

<400> 19130

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caacaacact gctcttttgc aaggagggcc tgactttgac aaaatctcca cttcctctcc 120  
attcgcatcc ttgctttcat caatgaaggc tcttcctccc tctcaagtgc attcatgaac 180  
gagccatggt catggggcat aagcattccc attagtttgt acgtgaaatt tgcacttgag 240  
atccacactc a 251

<210> 19131  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957471H1

<400> 19131

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agtggcaaat gttgcgttcc tctgaatgaa tactgacca caaaaacact accttggtgc 120  
caccctttt cctaccttct ccacctttca gggttcctga ataattaaag atgggactgg 180  
ctctgggttg tcttcaagtg gagcaatcaa cggtagctat caaagaagtg tttggaaaat 240  
ttgatgatgt g 251

<210> 19132  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957472H1

<400> 19132

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 acaagggtag attgtcaaag gaagatattg agaagatggt tcaagaggct gagaagtaca 180  
 agtctgagga tgaagagcac aagaagaagg ttgaggccaa aaacgctttg gaaaactatg 240  
 catacaacat g 251

<210> 19133  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957474H1

<400> 19133

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 aaatatgatt gccttctttt tgatttagat gatactttgt atccactaag cactgggtctt 180  
 gcaaaagcat gtggccaaaa cattaaagac tatatggccg aaaagcttgg catagagaaa 240  
 agca 244

<210> 19134  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957475H1

<400> 19134

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 caccttgatg aggttcttgt gttcttggtta ttattgagaa tcccgatatcc attaaaagca 180  
 ttgaatgtgc catcatagac aaggcttttg aggagggttg gatggtgcca cgacctctg 240  
 tccag 245

<210> 19135  
 <211> 245



<212> DNA  
<213> Glycine max

<223> Clone ID: 700957479H1

<400> 19138

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gccaaacttcg agaaccagac cccggccatg aacacctaca aggccaattc gagggccatt 120  
acgcgcagtc agaagacttc gaacaaacaa taacctaaaa agctcgtcgc gcggttgctg 180  
ctgctac 187

<210> 19139  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957480H1

<400> 19139

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aatttgttgt tggtgcaacc aatttttgaa gaaaagatgg gggaacagca gcttccaatc 120  
ctgctttgca agtgtctgtt tcatttggtg gatttgagaa tgattccttg tcttgggaga 180  
aatggtctgc tttctcacca aacaagtact tggaagaagt tgagaagtgc gccactcctg 240  
gatcagttg 249

<210> 19140  
<211> 126  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957481H1

<400> 19140

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cctggg 126

<210> 19141  
<211> 250





<210> 19144  
 <211> 165  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957486H1

<400> 19144

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<210> 19145  
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 <213> Glycine max

<223> Clone ID: 700957488H1

<400> 19145

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 catgttcctt tcttccatct ttctcctttg gaattctgag aattggtttg aagaagagac 180  
 ctctagatct tgatagtatt aatgctgcta gaaaggcaag agaaggctta agatctgtaa 240  
 gaccaatg 248

<210> 19146  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957449H1

<400> 19146

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 ataaagaaat ttgctaaggt actgggtctg 150

<210> 19147



<211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957407H1  
  
 <400> 19150  
  
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 acgaggaggc ggaggatcgc tccggcaacg aggatccgca cggaagagac gacaggatct 120  
 gagaagaagg aggcgcgagc tgcttcggct tccgattagg gatttggcga cgcgcacgag 180  
 gagcatgcgg aaccggatct tggattgggc cgagattctg atgggccttg aggacaattc 240  
 catcgagttc cgctcca 258

<210> 19151  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957409H1  
  
 <400> 19151  
  
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<210> 19152  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957410H1  
  
 <400> 19152  
  
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 gaaagcttgc taagctttca gcttgccgg aaaggaaacc caaacttaca acccattcat 180  
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 tatttttttt ttaaa 255

<210> 19153

<211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957411H1

<400> 19153

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 tgatggtgga agtataccat ttgttgcatt aatccagtcc aaatctcaaa actctcccct 180  
 actatctatt gggcttgtca ttgtgggtgc aatcctcctg attggttatt gttacagcaa 240  
 ttcaggtgga g 251

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957413H1

<400> 19154

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 ccgaggggag ctgttggctc taaggatttt aggacaaaga aaatttttgt aggtggaatt 180  
 ccttcaaagt tgactgaaga tgaatttaga gacttcttta cacgctacgg cgaagttaaa 240  
 gatcaccaaa ta 252

<210> 19155  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957414H1

<400> 19155

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 aattgcaggc actatggagc tcaaccctga taggctgggt gagctcaaag ctttcatgac 120  
 acaaaagctg gtgtgaaagg ccttgttgat gaaggggtcg caaagatccc aagattattt 180

catcatccac ctgatgaatt tgtcatggct tcaaagttag gcgacacaga atacactata 240  
cctgttatag a 251

<210> 19156  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957415H1

<400> 19156

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aactctggta cttccgaact aagcataaag ccgatgtgt gtgcactttg tgaggaatat 180  
attaccaagg cacttgatta tctacatgaa aacaagaccg agacagagat cattaatatc 240  
ctgcacaaca cttgcc 256

<210> 19157  
<211> 255  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700957416H1

<400> 19157

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tgaacaaaaa aaataaaaat tattcctgtt ttagtgcttc tttcttatcc atgcgagtct 120  
gcttcggaac gctaacacat ccctcctcaa acgttctctc ttccactccg acaactcctc 180  
anacttttgc tttaaaccgg gagtggtggg cacgtctcaa gttttaagct tttcaactcg 240  
taaaaggagg tctaa 255

<210> 19158  
<211> 173  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957418H1

<400> 19158

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 taccatgttg aaacatatga tgtgactaca attagagcta gcacacccat gtt 173

<210> 19159  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957420H1  
 <400> 19159

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 tattgttacc tatatacatc aagcaattta tgagttcgct ggaaatcatg gacagctgca 120  
 accaagcaca gtgaggggttc tgaaagacta ggagaagctg gtcttgcaact gcactatgct 180  
 aacatcatca atcagataaa tatggttgca tctcgcccaa ctgctcttcc tccaaacacc 240  
 agaggccgcc tgtatca 257

<210> 19160  
 <211> 153  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957421H1  
 <400> 19160

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 caacggctac ggagatagag gcagagacgc aaaaccctac tcctcctcct cgtaacagcc 120  
 tcctccttct tctttttctg gtgttgctgt agt 153

<210> 19161  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957422H1  
 <400> 19161

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tcttgagaa gttgaagaag aaagggatg aggttctttt catgggtgat gcattgatga 120  
 atatgctgtt ggccagctca aggaatttga gggcaagaag cttgtctctg ccaccaagga 180  
 gggctc aaa cttgacgaga gtgaagatga gaagaagaag caagaggagt tgaaggagaa 240  
 gtttgacaac ctatgc 256

<210> 19162  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957423H1

<400> 19162

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 agataatgtt atgataacaa ggggcaaaga taagggtgag accgggattc taagcgtgtc 120  
 attcgtcttc aaaatcgtgt cattgtagag agtaaaaacc tggtaaagaa gcatataaag 180  
 caagggaag gtcataagg gggcatcttt acagtgaag cccactgca tgcctccaat 240  
 gtgcaagtgc ttgacc 256

<210> 19163  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957424H1

<400> 19163

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 ttctcggttc caactcaagg ccagcggtcg cgctccgccg cttgcggtgg ccggcggtact 180  
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 accgccgctc cctgtacgg 259

<210> 19164  
 <211> 252  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700957425H1

<400> 19164

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ctacttgggc ctttgatcac atcaaatacc tcaatgggtg ttctgagatt cagcttcac 180  
ttgataagta cactgggtact ggcttccaat ccaaaggatc ctacctgttt ggtcacttca 240  
gcatgtacat aa 252

<210> 19165

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700957426H1

<400> 19165

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cacctaactt ctctctcttt ctctctctag ggttcgcca tttatcccta ttaagcta 120  
ttcaatttca tttttaaggc tgtgtttgaa agtgtgttca atgggtactc cggaattccc 180  
agatctggga aagcactgtg ctgtctcgga ttgcaagctc atcgatttct tgcccttcac 240  
ctgcgattgc tg 252

<210> 19166

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700957429H1

<400> 19166

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gaggaagaag aagggaggac caattctcat acctggattt tgtcttccaa aagcacttca 180  
gcctatattg ccaatttttc tccaaggtct cataagtggg tctgctgaat tgatgctaag 240  
gctgctctg 249



aatgtggtgc tccatccccg aaagggtttca gctgcatgcg gccatggttg cctgcagtt 180  
 tggctatgcc ggcttccatg ttgtctcaag agctgccctt aacatgggca ttagcaaact 240  
 tgttttccca gtctaccgca 260

<210> 19170  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957434H1  
 <400> 19170

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 gagaagaaga agaagaagaa gatggagaag tatcagatct ggagcaggag atagcggttg 120  
 cagcgtttgc gtttgctctg ctgttccaat cggcctcagc agacgacgtc gttgtgctct 180  
 ctgaagataa cttcgagaag gaagttggtc aggacagagg actccccgtg aagtccaa 238

<210> 19171  
 <211> 89  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957437H1  
 <400> 19171

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 ggaagtacag ggacagtggc agctcctcc 89

<210> 19172  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957440H1  
 <400> 19172

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 ttggtttgag aaaaggggat atgtaccaa cctggaagta ttatagcatt atttcaccac 120  
 ttcagtatgt gatctatctt ttcagtggcg catttaataa taaacatatt gatgttatga 180

tataagaaga aaaatggagc atgttttggg gaaaagattt cctcttaatt cagaagatta 240  
caagttatat gaagaa 256

<210> 19173  
<211> 250  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700957442H1

<400> 19173

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gaccatgacc atggccatgg ccaogatcct gtcctgttc acggtctcgc ggtttcatcg 120  
gccctagaca tgctgataat ctcgtagnac aacgcccacg ccgccacgtc gcgcaggagt 180  
agcgagctga tgtccatgta cgagcagtgg ctagtaaagc acggcaagggt gtacaacgcg 240  
ctcggagaga 250

<210> 19174  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957445H1

<400> 19174

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acctgaaagt taaatattaa atgaccatgt cttttgaagg aactacattg aaagttaggc 120  
actaattagt tttggccttt tgggggtgcac ctaagccaaa atcccctgcc aaattcataa 180  
acttgttgtc tcatgtgtga acaattgggc atttttgtaa caagaacaca gttaatagcc 240  
cccagttt 248

<210> 19175  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957406H1

<400> 19175  
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 ctctgggaag gactaccagg acctctccac cagcaccact cattgatgct gaggagctca 180  
 caaagtgggc cttttacagg gctctcattg ctgaattcat tgccactttg ctcttctctt 240  
 acattactgt gctcacagt 259

<210> 19176  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957446H1

<400> 19176  
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 acgtctctgt cagattctgt acagaatgcc aaatctagaa aagttatctt gtcgggagct 120  
 aaatatttgc ttaaagagtc gtcggagtca cgtttgggaa ccgtattaca gctgaaggaa 180  
 ttggatttgt ggtggtcgga gataaaggat ataggatttg aacgagaacc agttcc 236

<210> 19177  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957359H1

<400> 19177  
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 aaagaccag ttgcggttct cgtcactgga gccgcagggc aaattggata tgctcttgct 120  
 cctatgattg ctaggggagt gatgctgggt cctgaccagc ccgtgaccc cccatgctt 180  
 gacattcctc cagcagcaga gctcatgaat ggggttaaaa tggaattggt ggatgctgca 240  
 ttccctcttc tt 252

<210> 19178  
 <211> 251  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700957361H1

<400> 19178

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gaccgagcag agcttcgtct tggccctcga ttttgccta aagtactctc agtcacaaca 120  
gacaccgtcg tcgtcgtcgt cgatcatcaat ggcaccgaag cagaccaagg ctgagaagaa 180  
gatcgcttac gatgcgaact gtgcgaccta atggaggagt acggccagat cctcgttgtg 240  
aactccgata a 251

<210> 19179

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700957364H1

<400> 19179

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cttgtagcaa tggcgagcgc tcccactcca cgcgaagagt tcgtgtacat ggcgaactgg 120  
cggacaggcc gagcgctacg aggagatggt ggagtcatg gagaaggctc ccgcctccgc 180  
cgagagcgag gagctgaccg tggaggagcg taacctctc tccgtcgcct acaagaacgt 240  
gatcggcgct cg 252

<210> 19180

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700957365H1

<400> 19180

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actctcccca agaagatgct gaagctctca gaaaggcttt tgaaggatgg ggaactgatg 120  
agaacactgt catagtaatt ttgggtcata gaactgtgta tcagaggcag caaatcagaa 180  
gagtttatga ggaaatttac caggaggatc ttgtgaagcg cctagagtct gagatcaaag 240

gagactttga gaaag

255

<210> 19181  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957366H1

<400> 19181

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atgtgtgatg ctcttgaatc ctgattttgt aatttccaat aaattctaac cagtagcaaa 120  
gagtgagtta gagagtatgt tcctagcact cctcaaaaaa ttaaagtgca aaatgacaca 180  
aaacatgggc tcaagcagtc aagccaaata agaccatgat aacacaccga gtactcaagc 240  
tctgaatatt aac 253

<210> 19182  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957368H1

<400> 19182

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acataagctt aagaagcacg gccaaagatat tagggacagt ttgttgcggtg gctggagcct 120  
taaccatggc attgggtcaaa ggacagaagc tgttacacac ggagttcctt ccttctatac 180  
atctcaccgg cagtcaaggt gatgattggc tgctgggttg cctattgctc ttagcaagca 240  
gtgttttttg gtcac 255

<210> 19183  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957371H1

<400> 19183

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tcagccaaga aatcaagagg cttggttaagg tccaagcaga tggttcttac aaggtaacat 120  
 ttggaacact atttaacgat gatgaatgcg caaatatatt tgaagcactt gttggaccac 180  
 taagagcagc gaaaaagcgt aaagtactga catacgaggg tgagctactg ctgcaaggag 240  
 tccat 245

<210> 19184  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957374H1  
 <400> 19184

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 agaaagggtgc gaaagggtgga gttgtagcag caaagaagaa gggtcaggag aaggtaacga 120  
 accctttgtt cgagaagcgt ccgaagcagt tcgggatcgg aggcgcgctg ccgccgaagc 180  
 gggacctgac gcgcttcgtg aagtggccga agaacgtcca aatccaacgc aagaagcgca 240  
 tcctcaagca gagg 254

<210> 19185  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957375H1  
 <400> 19185

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 taccaggaaa ggccaggagg atgggggttaa tgaacatcat cattagaacc tggagttaat 120  
 tttcaatcta agcttctgaa caattatatt gataaaatgt ttgtgatttg cttggatcgg 180  
 tattcctgca tggtctgtga gcccatattt tatacttttg atgttgcggg cttcttttcc 240  
 ctgtgcaata 250

<210> 19186  
 <211> 247  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700957376H1

<400> 19186

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ggtgcaaaaa atattaagat gataaacatt ggagcacttg ttgtactctt tgcatttctc   60
ttcctcagtt gtgcctatgt cacaagacac aacaaccctt gtgcctgcaa tcataacttt  120
tggtgactca gccgtggatg tagggaataa tgactatctt cccacccttt tcaaggctga  180
ttaccctcct tatgggaggg actttgctaa ccaccaacct actgggaggt tttgcaatgg  240
caaatta                                           247

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<210> 19187

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700957378H1

<400> 19187

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agaggaaaag aagccatgct tctttcacca tgtttgcaat gcttggttga ttgctctctc  120
agagccttgt cattcctgta atatccacca ctgttgcaaga tcagaagaac tactacaccc  180
cagatccaca tgctggaagt cccccacag gctcacacaa tagtagtctc ccatctcatg  240
gccatggga                                           249

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<210> 19188

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700957381H1

<400> 19188

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ttagaaaagg taaaaaatat ataaaaaaaa aaaattaaaa atggtggctg tggtttccca  120
agaaaatggt gtggcattgg tttctcgtac cggtagggag ttgcaacgtt atagaaaagg  180
tcgtcgccaa gttgtgggat gcataccgta cagatttaag attggggaga agacttgctt  240
ggatgtttct gatga                                           255

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<210> 19189  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957382H1

<400> 19189

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 tccagtgccca gtttttagctt tgactaaagc atccatcccc tcaaggcaaa taggtaggct 180  
 agcctcttgt atgcgggtca tttgaacata tgttctaatt ctctgcccta ccagagaact 240  
 tgctagtcaa attg 254

<210> 19190  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957384H1

<400> 19190

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 tgcattccct cttcttaaag gtgttggtgc tacaaccgat gtggttgagg catgcactgg 120  
 ggtcaatatt gcagtgatgg ttggtggatt ccctagaaaa gaaggatgg agaggaagga 180  
 tgtgatgact aagaacgtct ccatttacia gtcccaggct tctgcccttg aaaagcatgc 240  
 tgctgccaac tgca 254

<210> 19191  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957385H1

<400> 19191

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 cccagcctct caagcccaag cccaagccca agcccaagcc cgttcataaa atcctcctgc 120

agcagcacc agtaccacgc cctctgcgtc tcatccctct ccgtctacgc ctccagcatc 180  
 caacaggacc ctcaccaact gggtcagaca gcactctccc tctccctgaa ccgcacccaa 240  
 gccacaaaa ccttcgtg 258

<210> 19192  
 <211> 121  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957386H1  
 <400> 19192

ctctttctcc gagaacaaca aaaaaaacgt gattcgctct tcaattcgaa taaaccacaa 60  
 aaccaacaaa cgagaagagg agtgagagaa gatgggggtg tcgttcacgg cgctgttcag 120  
 c 121

<210> 19193  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957387H1  
 <400> 19193

cttttgctca tttcctttga ctctcatta tcaaagaaaa tggctctcat tgggttgctc 60  
 ttgatgggtt ttctcacaat gttctcctct gctcatgcct atggtggagg gtggactaat 120  
 gctcatgcc ctttctatgg agggagtgat gcatctggga caatgggtgg ggcatgtggg 180  
 tatgggaatc tctacagcca agggatatgga acaaacactg ctgctctaag cactgcactg 240  
 ttcaacaatg g 251

<210> 19194  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957388H1  
 <400> 19194

ggaatgcac tgcacaacat gctgctctca actttggcca gtacccttat ggtggctatg 60

tgcctaactcg tccaccactg atgagaaggt taataccaga agagggtgat ccagaatatg 120  
 caagtttcca tgetgaccct cagaagtatt ttctgaatgc attgcctagc ttgctgcaag 180  
 ccacaaagtt catggctgtg gttgacacac tctccactca ctcacctgat gaggagtact 240  
 tgggggagag gc 252

<210> 19195  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957389H1  
 <400> 19195

cctgcatgct cctccaagcc accaccaacc gctacctata gtttctagta tatatacaca 60  
 aaacaacaca cccacaaac atcacagaca cagacacaca aaagtcaaaa gggtcgcat 120  
 ggagcaagga gtcgtagaag gaggtggcat gaataagata cctcgggatt caagagtga 180  
 ggagataaga caaggtgatg cacaaattca ggttcaggct cctcagcaac cccaaaagt 240  
 tcctcgatgc ga 252

<210> 19196  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957390H1  
 <400> 19196

ctcttgggtcc tttctcta at ccaaatatct ctccgttaat gctcttccca caaacttcaa 60  
 tagactagcc aaaagctaac accaactata ggccaaatca ccaataaata ttatttcccg 120  
 ttcttttggc gtgttggcca cccactgaac acatttgcac tcacacatag accgcgagag 180  
 aggccattgg ttggtttcag agatgggaag catgcacata gaaaccccag aaacttttgc 240  
 tgatggtag 249

<210> 19197  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957392H1

<400> 19197

gctggtcatg catacacaaa ttgggctgca aagatggccg ttggattagc cacaggtgtc 60  
ccctgggtga tgtgcaagca agatgatgcc ccagatccag tgataaatac atgtaatgga 120  
ttttattgtg attattttctc tccaaataaa ccatacaagc ctagcctttg gactgagtct 180  
tggagtggct ggtttacaga atttggtggt ccaattttatc agcgaccagt tcaagatcta 240  
gcatt 245

<210> 19198

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700957393H1

<400> 19198

agagagagag agagagagaa ccgacaagca aacgaaaagt aaatcaatca atcgttggaa 60  
tctctcaact tatcgcttct tcttgatttg ggggtttccg tttcaatgga cgacggcgag 120  
ctggatttct cgaaccatga agtgttttcg agtccgaaca tgggggagct tccgagcagc 180  
ggttcaatgg acagtttctt cgacgagctt ctcaaggaca cgcacgcgtg cacccacacc 240  
cacacgtg 248

<210> 19199

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700957402H1

<400> 19199

tcgtacgtta ggtccgaatt cagactcagg ttggtgagag agggatacaa ctctcaggag 60  
ggcaaaagca aaggattgca atatctcgtg caatcgtgaa gaatccatca atccttttgt 120  
tggacgaagc gagagtgcac tggatgctga gtctgagaag agtgtacaag aggctcttga 180  
tcgtgtcatg gt 192

<210> 19200

<211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957357H1

<400> 19200

gcgcaccgta tcgtgttttc attagacgct gcaatcggtc ttctcttgag tttggtcgtc 60  
 tgggatcaga tctgctctct ccgtttggat tcaattcgac actttcctcg ccttaaagat 120  
 tatgcaaca acatggttgt ccttgctgca tccattgtga gcaaactctgg gaaagtgtc 180  
 gtttctagac agtttgtgga tatgactcgc ataagaattg aaggctcttct agcagcattt 240  
 cccaagttgg ta 252

<210> 19201  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957404H1

<400> 19201

attgaattgt gcatacagaa acagttctgc agattatggt ggtgggtccca atttccatgc 60  
 tactgaggat aagccagtca tattccccca gtcctttggt caaccaaca ctaaacacag 120  
 tctgcaagtt tggttgcacc ttcatttgat ctaactgggc ttggagttcc ggaggatgga 180  
 cagaaaatga ttagtgacct tatgacaatc tatgatacga atgttgtagg aaacaagact 240  
 taagttcctc caac 254

<210> 19202  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957405H1

<400> 19202

ctaaaacaga agaagcaaag atgatattgc agttcttcgt gctttcacag agaggcgata 60  
 acatcgtcta ccgcgactat cgtgggtgaag ctcaaaaagg aagcgctacg acattttccg 120  
 aaaagtaaag ttctggaaag aagatgctga gggagatgct ccacctgttt ttaatataga 180



cgcccctata ccagtgggtca aggaaatttt tcgaactgat ggcgaaacagt tcctcaagta 60  
 tccaccacct aaagtgatgc aggtggataa gtctgcatgg atgactgatg aagaatttgc 120  
 tagagaaacg attgctgggtg ttaatccaaa tgtcattaag attcttgagg agttcccacc 180  
 acgtagcaag ctagattctc aagcctacgg tgatcatacc tctataataa caaaacaaca 240  
 cttggagcct aacttgggtg gg 262

<210> 19206  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957325H1

<400> 19206

ggaagttgga agtcatggca gcaacattga tggcagcaac aacaagttct ggtactctta 60  
 aagcaactcc tttccttggc caaggcaagg gtgc:aatgc caatgctctt agggatgttg 120  
 tctccatggg aactgggaag tacaccatgg gcaatgattt gtgggatgga ccagacagag 180  
 tgaaataactt gggacccttc tcagctcaga ccccttcata cttgaaagga gaattccctg 240  
 gggattatgg atggga 256

<210> 19207  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957326H1

<400> 19207

tgggagacga ggttctgatg tgaaggtaat tttattgggc ctgttagtta atctacaact 60  
 aattaattgg gcctgttatt tgaccgaccc ttaacctaaa caacaaaagc ccagtcacaa 120  
 aaccattag ggttttccac gatataatag aaactgaaag cctcttacgg ttgcagcaac 180  
 agcagcattc actgaaagca ctcagtaggg tttgcggttt cagagtttgt gacgcacgca 240  
 tccatggcca ccaccac 257

<210> 19208  
 <211> 256  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700957327H1

<400> 19208

tgataaccca taaccgaccg taccaccgtt ttcctttgct ttgcgttcta caatgtcgaa 60  
aacctcagag attcttacat gcaaagctgc tatttgctgg ggaataggaa aacctgtgac 120  
tgtggaagag atacaagtag accctcccaa agccaccgaa gttcgagttt agatgctttg 180  
tgccagtata tgctccacag acatctctac tccgaaaagg attcccacat accaattttc 240  
ctatagcact tggaca 256

<210> 19209

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957328H1

<400> 19209

attgattccg aagagaaaag aaaagatgtt tgagccacaa cagctataca cccgcgcgaa 60  
gaccgaggac ttcgacctcg aatcaggaga aaccctctac ccagggctga gcgtcggcga 120  
gaaccagctc cgatgggggtt tcatccgcaa ggtctacggc atcctctccg cgcagatcgt 180  
cctccgcanc ctgcgtccccg tcancancgt tttctatact ccaatcaatg acctcctcaa 240  
gggcaattcc a 251

<210> 19210

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700957329H1

<400> 19210

gaaaccggta aagggttggtg gcttgattcg tcatcagagt gggtttttga aaaattgccg 60  
ccacctctga agcctaaaca aagtgtagat actgaaagga cactggtttc ataagcaatg 120  
gacagtgaag tagaaaatgg agtcattctc tttgttacac ttccatataa ctttgcccgt 180  
gagaagttgg ctgctgagta tatttgtaga gaactacgtg aggcagatga aacaaatttg 240

cttcaggaag aacg

254

<210> 19211  
 <211> 101  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957330H1

<400> 19211

gaagtgaggg cctccgtcac actcacagtc agcatcgaag atcggaggcg aggcattgagt 60  
 tgtgtgctaa ctactactct tcaaaccaaa cacgcatcgc c 101

<210> 19212  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957331H1

<400> 19212

aaaataacttg gtgagcttat gcattgtaat ttgaagcatg gcaggttgct caaataatgc 60  
 gaccactatt ttgagtgtga actggatatg aagcttgctt taggttttta aaacactcat 120  
 acctagacga aatcccttga ttcccaaaat atagaaactt tggatacatg tattactgtc 180  
 tcttgcaggg tagctaataa cattctagaa tctctaacct tggatatcct catcactaca 240  
 ccaatgatac cactt 255

<210> 19213  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957332H1

<400> 19213

gtaacatact aacatgttaa tgcagatatt tgtcagttgt accatctttt agtttatgaa 60  
 ctcgagcagg ttgtccttgc atttggtgct gaaagtgata gaagtcttgg tattccaggg 120  
 gagaacttga aagggtatca ttcagctaga gagtttggtt ggtggtataa tgggcaccca 180  
 tatggacaaa atcttgagcc agacctaaag agcactgata cagctgtaat ccttggccag 240

ggaaatgttg ctttag

256

<210> 19214  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957333H1

<400> 19214

cgctttgaga aatcagacgg cggagagaat gggtttatca ctcttacggg gggttctgcc 60  
gctgactctg ttgctcacct gcgccctagg tttccaatcg gacgaggctt ctctcgcacg 120  
acgaagagtt cggcatcgaa ggaggacgaa cctcctttga ttccgattcg catccacctt 180  
ccaccgcctc cacctcgagg aagaggcttt ccgactcctc ctccgattcc aagatccagt 240  
tccctctcca acacgctttc gg 262

<210> 19215  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957337H1

<400> 19215

ctcaatggca tcatcatttg tgggtacttt attacccaac cacttcacac aaaccaaaca 60  
ctcagctggt cctgcaagta gatcaggtgc tccaagaagg aggagagtgc acttagcaac 120  
aacaagagca gagaccatga ctactgtcat agaaaaactg ggcattaaga ttgagaggaa 180  
ccctcctgag tccaagctca ctcaactggg tgtaggcaa tggcccaaata ggggttgccc 240  
tccaagtaag ttcccatgg 259

<210> 19216  
<211> 88  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957338H1

<400> 19216

caacgaaacg caacacaaca catcgtagta cggcattccg ttcattgttt ctttcaactc 60

aactcaactc tgtctcgccc accacaca

88

<210> 19217  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957340H1

<400> 19217

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tggtccaacc acttcttaaa gataaccttg tggccaaagg gctagtcttg tcatttatga 120  
ctgacttctt taaggagtat ctgattgaca acagccttga tgatcttatt tcaattctaa 180  
aacggggaaa agtagaggag gatcttttgg acattttccc ccctacaaaa agatccattg 240  
aagctttctc tgagcatt 258

<210> 19218  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957341H1

<400> 19218

gtttttcatt tcacgtgca ttcaatggcc accacagcag ctctatccgg aaccatgggtg 60  
agcacctcct tcacgaggag gcaacctatg accaccacaa gcctaaagac attccccaac 120  
gttggtgaag ctcttttttgg tctgaaaagt ggacgaggtg gtcgtgtcac ttgcatggcc 180  
tcgtacaagg tgaagctcat aaccccagaa ggagaagtgg agtttgaatg cccagatgat 240  
gttttcattg ttgacaa 257

<210> 19219  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957342H1

<400> 19219

gaattatcaa aggtgaaacg aagaagccct aactacgcac gcattcgtga gataactcaa 60

tattcgtcgc tcatggcact ctcttctcgt ctcttttcca aatccaaatt gatctatggc 120  
 agtcaaatac ttctacaaaa ggagcatgct attccagttc gtcactttgc taaagagtct 180  
 gccctcctg cccttaaggg agacgagatg ctgaagaaca tttttgtgga ggtgaagaac 240  
 aaatttgaga ccgcc 255

<210> 19220  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957343H1  
 <400> 19220

cgttcactct tcttccatcc tttcctctct ctctcaccct ctgcatttcc caagcagagc 60  
 tgatattaga agatggcaga cgctgaggat attcaacccc ttgtttgcga caatggaact 120  
 ggaatggtga aggcaggatt tgcaggagac gatgccccac gtgcagtgtt tcctagcatt 180  
 gttggtcgtc ctcgtcacac tgggtgtgatg gttggtatgg gccagaaaga tgcatatgtt 240  
 ggtgatgagg ca 252

<210> 19221  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957345H1  
 <400> 19221

gtccctaate ctcaagattc actgtggatg atgaatttga ggactgggga atcaatggat 60  
 tctggatctt atctggagcg tccaggggag ccggattgtt cttattacat gagaacaggc 120  
 cttttagat ttggtgcaac gtgtcgattt aatcatcctc ctaacaggaa gcttgctatt 180  
 gcctctgcaa ggatgatatg cgagttccca gaaagaatag ggcaaccaga atgccagtac 240  
 tatctgaa 248

<210> 19222  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957346H1

<400> 19222

ggcaatagtg caattggctg cgttgcaggt ttttgttatt tttttgagtg gtggtgctga 60  
 ttacataccg ccttcaaggt tggatgggtt cgtctaccaa aatgggtact tagatttgga 120  
 tactgttttg atagaagcgt tttatgatcc ggtgtgcccc tacagcaggg attcatggcc. 180  
 tccactcaaa caagctctcc atcactattc ttctcgggtt tcgttctctc ttcatctcct 240  
 ccctttacct tacc 254

<210> 19223

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700957347H1

<400> 19223

ttggaatcca aaaatgagag taatcatcag cattcacata ggtcaggccg ggatccaggt 60  
 tggcaactcc tgctgggaac tctactgcct ggaacatggc atccagcccc atggcatgat 120  
 gccaaagtac tctccttcg gtgtagcccc cgacgccttc aacaccttct tcagctcgac 180  
 cggatccggc aagcacgtcc ctgcgcgcgt ctctgctgat ctcgagcccc ccgtcatcga 240  
 cgaattccgt tgtg 254

<210> 19224

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700957349H1

<400> 19224

cgggttttga agagaaagag aaaagaggcg caagatgagt ggtagggttt ctgggaaggt 60  
 gaagtgggtc aacgatcaga aggggttttg attcataacc cctgacgatg gcagcgagga 120  
 actcttcgtt caccaatctc agatcaaate tgacgggttc cgaagcctag ctgaaggaga 180  
 gtccgttgag ttcgctattg aatctgaate tgacggacgc gccaaaggctg ttgatgtcac 240  
 tggccccgac ggcgcc 256

<210> 19225  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957350H1

<400> 19225

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aacaagtaga agagggttaaa tgcttagcaa gaattatccc aatttgggca gcagggattc 120  
ttagtctcat ttccatgact caacaaggaa catttactgt gtcacaagca atgaaaatgt 180  
tccgtggaac aacccaagct tgtttcacag ctgagcaaca atggcttcta tcccatgcat 240  
caccaccac catca 255

<210> 19226  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957317H1

<400> 19226

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ctcgtcggag actttctccg gctgccctcc gaaactgata acgacgacaa cttcaagggc 120  
acccggtggg ccgtcctcct cgccgggttc aatgggttact ggaattacag acatcaggct 180  
gatgtttgtc acgcctatca aatattgagg aaagggtggtc tgaaagaaga aaatattatt 240  
gtttttatgt atga 254

<210> 19227  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957351H1

<400> 19227

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gttgctggga aggttttcag aattggacat cttggcaact tgaatgagtt gcaactgttg 120

ggatgtctag ctggtgtgga gatgatactg aaagatgtgg gctatcctgt aaagcttgga 180  
 agtggagttg ctgctgccag tgcataacta caggacacta ttcctatgat cccttccagg 240  
 atttgagtca caag 254

<210> 19228  
 <211> 104  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957354H1  
 <400> 19228

tacatttatt tgttttacat atctccttgt tgtgacctgc atagttcaca tgaattttaa 60  
 agttacaaat atatagatgt cattgtaatc ttagtccaca caac 104

<210> 19229  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957356H1  
 <400> 19229

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 tggattcaag ttgatggtgt agctcctgac aaaccacttg attctgctgt attaagtcgc 120  
 ttaaagcaat tttctgctat gaacaagctc aagaaaatgg cccttataat tatcgagag 180  
 agcttatctg aagaagaaat agctggctta aaagaaatgt tcaagatgat agatgcagac 240  
 aacagtgggc aaatc 255

<210> 19230  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957261H1  
 <400> 19230

tccagcacag gttgagatcc taaatgtgaa cagagacaca atctacagcg tagttggaga 60  
 gagggaccct gcgaacgtga attcatgggt gtctaggagg ggcaatttcc atcctgtagt 120



gaatcagttg gagcagcagc ttcgatggcg tgtgcaactg ggaaaaggat agtggcagtg 180  
gagttcgcaa gcttttgaaa cccagtggt tattgcgag actttgcaat gggaagctgc 240  
aatgc 245

<210> 19231  
<211> 242  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957262H1  
  
<400> 19231

taactagaaa cagtgtgatg aaaatgaagg tccttacttt cttcgttgct acaattttgc 60  
tagcatggca atgccatgcg tacgatatgt tccctctccg aatgaacact ggctatggtg 120  
cccgactccg gaggtgaaat gcgcaagttg gaggcttgct gtggaagcac acaacatctt 180  
tggtttgag accattcctg aagagtgcgt tgaagctcca aaggaataca tccatggcga 240  
ac 242

<210> 19232  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957263H1  
  
<400> 19232

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gaagcctaca tgtgcttcta tatgttatgt tgagatatgg cttgccattt ccgtaatttg 120  
atcggtaatc atgggtcattt ctttagcata gagttgataa atatcatcaa gacagaacta 180  
gtttagtgtt ttacgagtaa gttaagataa gatgaagaag atgggtggttg caatgatgct 240  
tata 244

<210> 19233  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957264H1





aactcccggg agttttctac gttggaagca ttctaccta tcctaacggg ggcaataatg 180

cctatctccc aacttctgtc atgggggcta atttccatga attcgtggag attgtgttc 239

<210> 19240  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957279H1

<400> 19240

gatagcctca actcaagtaa gggttttctc tttgagaaaa tcgtatctta caccttttgg 60

tgagcacttg gcgtgagaga agagaaatta agagagatac tcaaattaga ttcaagagag 120

atgccatcaa ccatgaaact tgggctttca ttttcggtct tctaggcaac gtgatctcct 180

ttatggtgtt cctacgtcc attaccaact ttttaccaaa tctacaagag aaaatctacg 240

gatggg 246

<210> 19241  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957283H1

<400> 19241

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aaaggctact taaagaaccc taaagctaac gaggagacct ttgcaaattgg atggtttcat 120

ccggggatct tgctgtgaag catccagatg ggtatataga aattaaagac agatcaaagg 180

acatcataat ctctggtgct gaaaacatca gcagtgtaga gatagagaat actctttact 240

c 241

<210> 19242  
<211> 79  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957284H1

<400> 19242



gatcgccaat cactcccttt tcctttccct ttctctctgc taaattacaa t

171

<210> 19246  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957295H1

<400> 19246

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tggataaact gtcccttctt gaaggccaag ttggctatga ggtgcataga agtcttggct 120  
tattggtgac atgatgagaa ctagattggg acagggatgg ggcaagggcc agagctagat 180  
catggataga tagttcccca ggtgatgatc tgtttggtga gtctgctttc ctagagcaag 240  
at 242

<210> 19247  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957296H1

<400> 19247

agcgcggtta tgggtctggtt tcgaggacca gtgcctccag gagaagagaa gtagtaagag 60  
aacgaaatca agaatcgga ttcttgtctc ccttgctacc agcagcaatc ttgcagcatc 120  
atcttcagga tcaggattat caaacgtaat ccttaaggtc aaagaaaagt tctttgcttt 180  
cttgctcttt gcactgagtt atcaaaacga gacaactact tgggtggtgc aggtgaaagg 240  
aaca 244

<210> 19248  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957301H1

<400> 19248

cttttggggg aaaccatcaa cgacaacgac agcatcaaaa ggaagagaaa gaccagaaa 60

cggaacggc tttcagaaac tcacaagctt ttcaaaaaga gtttcaaagt gaaggaaaaa 120  
 agtgcctttt gattcttggc caccacaacg ccaagacaaa caacaaacaa agcaaaacac 180  
 acacacacac acaagcaaac tagaggagcc accgcaacat gttttctgta accgaatgct 240  
 ataattcaag ggagttgggtg gtgggt 265

<210> 19249  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957302H1

<400> 19249

aactgcaact acaacaacat tcattcattc acagctgtca cgccgtgaac ggaaaatggc 60  
 aacggcgaga cgcagtttcc cgcctatcac cgaatgcaac ggaacgacac cgtgcgagtc 120  
 tgtggccgcc gacctcgacg gtacgtcct catctcccggt agctcgttcc cgtacttcat 180  
 gctcgtcgcc gtccaagccg gcagcctcct ccgcggcctc atcctcctcc tctcccttcc 240  
 gtctcgtcatc atcgcttacc tc 262

<210> 19250  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957303H1

<400> 19250

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 aacattcaag ccgtaccgtc acctgaaaac cctaaaagac cagagaacg cggatcgtg 180  
 cgtgaagttc tcgaacgacg gaaccctcct agcctcggcc tccctggaca aaacccta 240  
 catatggtcc tccgccaccc tca 263

<210> 19251  
 <211> 261  
 <212> DNA  
 <213> Glycine max





<210> 19254  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957309H1

<400> 19254

ggaatccaat ccatgcatcc aaattgatag cacgtggatt gattacaaga tgccaacgctc 60  
taaacctctt ttcccaaaag agaagaaaac ataataagata tctcattctc atcttcatct 120  
gcatctgccc atgtttcttg tttctgtctg caattttcaa ttccaactct ctctcacatg 180  
caattctcca tccaacaaaa gtttctcatc atttctgttt ccataagca attaattaaa 240  
atactgaatt tgggtataatt tct 263

<210> 19255  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957311H1

<400> 19255

gaaaaactga agcaaaagaa attagtggcg ttattggaga agttagttag caaagaatgg 60  
ccaacagcta agctttatct ctatggatca tgtgctaatt cgtttggtgt ttctaaaagt 120  
gacattgatg tttgccttgc tattgaggaa gcagacatgg aaaaatctaa gattataatg 180  
agattggcgg atattttgca atcagataat ctgcagaatg tgcaggcatt gacgcgtgca 240  
cgtgttccca tagtaaa 257

<210> 19256  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957312H1

<400> 19256

cgaccagggc cttacgcgtg ccgagatgct cgctcttccc accggtccca aggagcgttc 60  
cgccgatgaa atgccgttca accgccttgg cggcggtttc tcctcctatg accgctccgg 120

cggtcgctcg cgcgaccgag acggcggcaa caacgaaggt tcgtggggcg gaggaggcag 180  
aagatcctac ggcggattcg acgaggagcg caggggtccg aatcctaggg tttcggaact 240  
cgatcagccg tccagg 256

<210> 19257  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957314H1  
<400> 19257

ctatgattga cgatgacgga gatgaagatg ctgattatgc ttttgattac aatgatgatg 60  
atatctatga agatgattat tcaagtatgc aggaccaatt tgacaatgtg gatttgcccc 120  
ctgggggtgga ggcattcactg ccttggttga aggacatttc ttctagtga tgcaagcagg 180  
ctattgcttt tccccgtaca gaatctagtt ccaaggcaaa agtggatgaa actgatgata 240  
tagtcatgca aaagttt 257

<210> 19258  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957203H1  
<400> 19258

gacaaatgca aggtgttggg caacattgag caacagagcc cggatatcgc ccagggtgtg 60  
cacggccact tcaccaagcg cccagaggag gttggtgctg gtgaccaggg tcacatgtcc 120  
aggtatgcac cgatgacacc cccgagtaca tgcccctcag ccatgtcctt gcaaccaaac 180  
ttggtgctcg cctcacagag gttagggaga attggcacct gtgcttggtt gaggcaagat 240  
ggtaagaca 249

<210> 19259  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957205H1

<400> 19259

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tgcttcgatg ctctgatatc tctctctcat tcagggtagt gagctggttg ttcattggctc 120  
tttctgaaa catccacacc tgttcaacca tattaggact tttgtgaatg tgaaggtgaa 180  
atgggtccaa gacccatata ttgataatgc agtcctgaaa gagaaagatc tcaaacagac 240  
aatttcc 247

<210> 19260

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700957206H1

<400> 19260

atcaccattg tgtcttcttc actccacctt cttcattccc acccaattgt ctccccatta 60  
aacaataaca tgaataatat taggaatgga tacagagaag caaaatcatt ctgctatttc 120  
caccccaaca ggtacttggtt ggggtgtgtc ccctgtgctt gaatgagagg ctctcatac 180  
tgtttgcaaa acaagggtgc caccacaacc gttcttcttc ttcattcata tcttcacaca 240  
ggcttcaaa 249

<210> 19261

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700957207H1

<400> 19261

gtgatcaggg aatgacgtg gagtcaacta atatactgga attcattgac caatgtacaa 60  
acacaatgca gctaaagcaa atacatgctc acatgctccg cacatcccgc ttttgtgatc 120  
catatactcc agcaaattgc tgactgctta tgctatctca tcatgctctt gcctcatata 180  
tgctaaaaat gtgtttaatc aaatcccgc accaaatctc tattgttgga acacccttat 240  
tcgtggata 249

<210> 19262  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957208H1

<400> 19262

ctctacttca atgtttatgt taatgggaaa gtggcaatca ataacttga tttatcagcc 60  
 atcactggtg ccttgtcaac accatactac aaagacattg tggatgaatgc aacattgatg 120  
 tctgagggct aacgggttcag gttgggtccag caaatgctga tggatggaaat gccaatgcaa 180  
 ttatgaatgg catagagggtc ttgaagatga gcaactctgt caacagtttg gatggggaat 240  
 ttgggtgttg 249

<210> 19263  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957210H1

<400> 19263

ctccgaaaga ggatgactat gattatctca aggaaggaag gaagcagagt gaagtaaagt 60  
 tcaaaaaggc cctttcacgg gtgaagtcca tgggttcagta tccagaggca cgggctcaat 120  
 accggcgggg ctaaagttag ttgaggactt ccgtcaaacc aaggaggta atttgaattt 180  
 gataaattcg gaagagacag ttgatggtgt ggaggatttg attgatattg acatgctttt 240  
 agatgatgaa 250

<210> 19264  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957211H1

<400> 19264

ctgagaatga gaagagaaag cggaaagaaa gtagtgatgt tagaagcaaa aagaagaatc 60  
 agcagagaag cgaagatgaa gaggcgacga agcagttgag tttctttgag tcggcgatgg 120  
 gtattgagct tcttcgctgg agttggaatc ccacaaagat aataagtgc ttttggagggt 180

atcagaagcc gctgattcag acgtgacagt attgggcaaa actattaggg cagcgtttgg 240  
cgctcttg 248

<210> 19265  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957215H1  
  
<400> 19265

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tggtgaggcc gatttgagaa aaacagctgc caaaatcact gaacgtgcta cagaactatg 120  
caagaagaat ccgtaaatga cgtagcagtg gaagtgctag aaggatgatcc tagaaatgtt 180  
ctttgcgagg cagtggaaaa gcaccaagct tcaatgttgg ttgtgggtag tcatgggtat 240  
gggacttta 249

<210> 19266  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957217H1  
  
<400> 19266

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ggttctggca ttgggagcct tacatcgaat agattttgct tcacttcgca gtgctgccat 120  
tacatggaag atgtgtttgc aaatgttcca aggccattgc tcgtgggtcaa cattggagga 180  
ccatcaagaa actgtcggtg ttggtgtcgac cttgcaaagc agtttagcaac atgtttgctc 240  
agtgttc 247

<210> 19267  
<211> 227  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957218H1  
  
<400> 19267

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 ggaggactta tggactatgc gtttgagttc attatcaaca atggcggcat tgattctaag 120  
 aggattaccc ttaccgtggt gttgatggta gatgtgacac atataggaaa aatgctaagg 180  
 ttgtttctat tgatgactac gaagatgttc ctgcctatga tgagtta 227

<210> 19268  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957220H1

<400> 19268

taatcagaga cttaatggca acaattatgg attcataaat ttggagaaat aaggtaatag 60  
 aaggctagct atatgcttaa cacagctagt tcgaaaacga gccatcgaag tatctaactg 120  
 cgcatttagc taatctgtct gagccatctc ttttgaagg atgacacctg ctaggttgac 180  
 cgcgccccga gggagactat ggtaaggctg gatagatcga gtcttttgat actcttattc 240  
 ttagga 246

<210> 19269  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957222H1

<400> 19269

gccaagtga agagagaaga aaagtcaaag acaatgtcag ggatcattca caagattgag 60  
 gagacccttc atgtgggagg ccacaagaag gaggaggagc acaaggggtga gcagcaccat 120  
 ggtggagata caaaggggag catcatggtg aacacagtac tgaacccaaa ggagagcatc 180  
 atgttggtga gcacaagccg gagcaccatg gaggagaaga gcacaaagag gggttcctag 240  
 acaagatca 249

<210> 19270  
 <211> 247  
 <212> DNA  
 <213> Glycine max



<210> 19273  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957226H1

<400> 19273

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tttttagttt ttggatttca ttgcaaagt ttaggacttt attctcaaga gcttttggtt 120  
atggccaaag gttgtgaagg gtgactgcag tacttggtatc tttgtttcct tcaatggggt 180  
ggtcacagtt gtctctttca tattcttcct cttgggtcctt tcttggggtt atttatacgc 240  
atttccca 248

<210> 19274  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957227H1

<400> 19274

aattaatcct ttccagattt ttgaggctgg gttactattg ctataaacgc aaggcttata 60  
gtactcatac atcagatggt attgtgatgt tggcggtgcc cttgatgctt cttggcatac 120  
cttggccttt acgcgtgaac aagtggtagt agttgaagaa aagaagacga attggtcagc 180  
tttgatcaca ccaatactag tactactcat cctgcttttg ctgtcgctta ttggaactcc 240  
aaggagg 247

<210> 19275  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957231H1

<400> 19275

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catctggggg tctgaccag gtatggcttc gaaacgcac ctgaagggtgc tcaaggattt 120



gcagaagatc ctctacgctc atgcagcgca ggtcctgtgg ctgaagacat gtttcaactgg 180  
 caagccacaa tcatgggacc tgctgatagc ccatatgcag gtggtgtttt cttagtttca 240  
 attcattttc 250

<210> 19276  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957233H1  
 <400> 19276

cagattgttc atattagatc accatgatgc attcatcgca tatctgagga agatcaatga 60  
 ccttcccact gcaaagtctt atgccacaag gaccatcctt ttcttgaacg atgatggcac 120  
 cttaagccat tggccatcga attaagtttg ccacatccta ggggagatga gtttggtgcc 180  
 gtttctagag tcgtcttgcc cgcagaccaa ggtgctgaaa gtacaatttg gctaattgcc 240  
 aagg 244

<210> 19277  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957240H1  
 <400> 19277

caaaataaaa agacttcctt ttttgcaatt gtcatttgtc accaaacaat tggtgttagc 60  
 tctcacaagc aagcttcagc aacgacaatg aagaaagtag tcttacagtt ggacttacat 120  
 ggtgataaat caagcaaaaa gctatgaaaa cagcatctgg ccttttcaggg gttgaatcag 180  
 tttctgttga tatgaaagac atgaaaatga tcgtgttggg ggacattgat ccagtgagtg 240  
 cagtgtcg 248

<210> 19278  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957242H1

<400> 19278

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agccgcattg aggttcagag gtaacagagc aaaacttaat ttccccgaaa acgttgtacc 120  
ggttcacctc ctctccggt tcccgattha ccggcaagtg cggtagccgg ttccgattcc 180  
atttccggtt ccggttcagt ggtggcaggt ttttcgccga cgctgatgca gggagcgccg 240  
tttcagg 247

<210> 19279

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700957246H1

<400> 19279

caaggtcggg gaaagcgaga ctcaaacc aaagtttatt gctattaata tatggctttg 60  
ttttccagtg tcaaattgca ttattacaat aatcaaatgc actaaccaca ctccatcacc 120  
cccattatac cccttctcct ctccactaa ttaacactct catcaaaaaa cccttctttc 180  
tttcagggtt attacttgat cagtgtcaaa agggtagttg caaattgcaa tggctaagcc 240  
tgatgtt 247

<210> 19280

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700957247H1

<400> 19280

gcgaagaata tgtattctag agattcatgg ggtggaccgt tggagataaa cgcgacggac 60  
tcggcgacgg aggacgagcg gagcggaacc tgcaggacgt cgacagggca gcgctgtcgc 120  
gtccttggat gagacgcagc agagctggct ccttggcccc ggcgagcaga agaagaagaa 180  
gtacgtcgat ctgggtgca tcacgtcag ccgcaagatc ttcaagtga ccctcggcac 240  
aat 243

<210> 19281  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957255H1

<400> 19281

caaaaaccag acatgtccga gtcggaagta gcaggtcaga ggtaccgtgt gggctatgct 60  
 ctccaaggca agaaagtcga aagcttcatt caaccctcac tctcgcgatca cgccaaacaa 120  
 cacagatcta tctcgtccaa atcgacccca ccgcaccctt acaacaacaa ggtgctttcc 180  
 actgcatcat tcaattactc cacacccaac actgctccaa ctagctccaa caattctcat 240  
 ccaaaca 247

<210> 19282  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957256H1

<400> 19282

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 tttttgagga acttggggga gatccttcaa aaatttcact tgtaaagaga tcagtgcgca 120  
 gtgtcttgct gatgtgtctg agtaccaccc aaacattagg aattggcaca ttgatagcta 180  
 cggaaaatca gaagagttcc atcctccaaa agttcacttg cattgtagtc ctggccagac 240  
 catttc 246

<210> 19283  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957202H1

<400> 19283

caccagcagt ggcgcttcgc gtacaagggtg accgttcggc cttcttcgac tgtgccatac 60  
 atgggttacca ggacacacta tacgcccacg ctcaccgtca gttctaccgt aactgcgaaa 120  
 tctccggaca gtggacttca ttttcgggta cgggacaacc ttgatccaaa gctccaaact 180

catagtgagg aagcctgacc cgtatcaaca gaacatagtg gtggccgatg gcacggacca 240  
gaagaa 246

<210> 19284  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700957148H1

<400> 19284  
  
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tgacactttt atgacaaatg atgatgtttt ggtcgatgag attcctaata atcagcaaga 120  
tgcatttcgt cagttctgct ttcaaact caaactaggt gttggggcca gagggcacat 180  
gcaattccca gggtcacatc cagtttcttt aaacagggag aatttacaac tgttacgaca 240  
gcgttattat tatg 254

<210> 19285  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957149H1  
  
<400> 19285

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gatagcagaa gatgtgaaga gcagatcaga ggtgtaccac ggggacgaaa tgtgccaagt 120  
gaagtccaag gagcttctca aggaaatcgc cctccccaac ggccttcttc ccctcaagga 180  
catggaggag tgcggctacg acagacaaac cggcttcgtc tggctcaaac aaaagaagag 240  
ttacaccac 250

<210> 19286  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957150H1

<400> 19286  
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 gaaacgaagc gaaatttcca cctgcatcat cttcaaacct gcgcttcttt tgaaccgatt 120  
 tgtgctgttt tgtagtgaa gcacatcgag tgcaaactgt cgaacaggca tggcaagcct 180  
 gttgacaaca tcagccatca cctattctcc tctgcacaat ggcttcaagg atttcagaaa 240  
 gtcagggaat 250

<210> 19287  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957151H1

<400> 19287  
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 aagaggaagc aagggatatt tcagggttag aggaccctgt aacaaccaag gttctgattc 120  
 caggctctgt tgatgattca aaagggtgaat ctggtgctcc aataagtagt tgtttttggg 180  
 gatggaaacc taaactcaat gtgcactatg agaaggccgg gtgcgataac gtcaatgatt 240  
 tgcctc 246

<210> 19288  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957153H1

<400> 19288  
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 gtggttccat gagagtgtga tgatagtggg agctcgaggt gataggagtg gagaagatgg 120  
 tatccctatg ctactcaaga taccacgtat gtttgatcct tggggtgggt acagcatcat 180  
 tgggttttggg gacatcatct taccagggt tctagtagca ttttcactaa ggtatgattg 240  
 gttgg 245

<210> 19289

<211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957155H1  
  
 <400> 19289  
  
 gcttggtgaa gaatgggcag ttcccttgaa aagcattgaa gatatatatg agagggttag 60  
 actgtattgt cttggaaagt tgagaagcaa tccttggtca gaactagatg gtcttcagcc 120  
 agagacaaag ataataaatg agctgctgga aaagattcac acaaagggtc tcctcaccat 180  
 caatagccag ccagctgtca atggggaaaa gtcagattct cctactgttg gctgggggtg 240  
 accag 245

<210> 19290  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957156H1  
  
 <400> 19290  
  
 atgggaatgg attttaggga tgcctgctgg tccttactta tatgcggatg atctgattga 60  
 agtcttgaag aaaaaacatg cttctggaac gtataaaaac ctagtatttt atctggaggc 120  
 atgtgaatct gggagtatct ttgaaggctc tcttcccgaa gatatcaata tttatgcaac 180  
 cacagcttcc aatgcagaag aaagtagttg gggaacatat tgccctgggg agtatcctag 240  
 tcct 244

<210> 19291  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957161H1  
  
 <400> 19291  
  
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 ggagaaggga aggtgagtag taatggtcgt ggatgttgca aatcagggcc aggctatgct 120  
 tccccactgg aagccatttc tgggtccaga gagtctctca tttatgtaac ctctgtctac 180

acagggaccg gaatagagaa gccagactat ttggcgacag tggatgtgga tccacactct 240

<210> 19292  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957163H1

<400> 19292

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ttgggggtcca gtccacaagt cttg 84

<210> 19293  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957167H1

<400> 19293

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aacagatctc tgagttcaag gaagccttta gcctcttcga caaggacggc gatggttgta 120

ttaccaccaa ggaacttggg actgtgatgc ggtcgcttgg gcagaacca actgaggctg 180

agctgcagga catgataaat gaggttgatg ctgatgggaa tggttccatt gatttcccag 240

aattcct 247

<210> 19294  
<211> 81  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957170H1

<400> 19294

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ttactTTtat ttcactccat g 81

<210> 19295  
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<212> DNA

<213> Glycine max  
 <223> Clone ID: 700957171H1  
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 acaacaccct cttaattcttc tccacacaac acacaactct caaaaattac ataaattcct 120  
 agcccaaaaa cttgatcagt aaacaaacat gggaaactcc gtgcgtgtaa aagaagcatc 180  
 tgtggttaca cttactgagc ccactccatc gagtgtgttg gctctatcag ctcttgattc 240  
 gcaa 244

<210> 19296  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957172H1  
 <400> 19296  
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 gatgctggagg accaccacct gctcaacgag gagcaccact tctccgcctt caagacaaag 180  
 ttccggcaaga cctacgccac gcaggaggag caccgaccacc gcttccgtat cttcaagaac 240  
 a 241

<210> 19297  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957173H1  
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 acattacctt gtgtcaccaa ctactttgac tcctttacca taccattaca ataattatca 120  
 aacctaacca gtaaaaatgg tgaccgtgga ggaaatccgc aacgctcagc gttcccatgg 180  
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<210> 19301  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957184H1

<400> 19301

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aaaacgttgc tgttcgagtc attgactcta tcaatatcac tttgggtgct gaggatgaat 120  
tgaaacaagc gggtgctttt gttcggccag ttagtgtggc atttgaggta gcgaaggact 180  
tccgattcta caataatgga gtttacacta gtaccatttg tggtagcacg cccatggatg 240  
taaa 244

<210> 19302  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957186H1

<400> 19302

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ctttctttct ttctctgtgt gtcgtaatgg ctctcccaga ctcttcttcc cgtcgcaact 180  
ccctgatccc ctcttctatc tactctcttt cctccaaaac gct 223

<210> 19303  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957187H1

<400> 19303

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ctttatgggg acgctgtctc tggaggctca ctccggagcg gggcgagtgc acgcccgatt 120  
cggcttcggc aagaaaaagg ctcccgcgcc aaagaaagcc tccaggggat cgggccgaga 180





cacttttgag atttttccaa cctgaagact ccctcttctt ggttggtttt ttctccaaac 120  
aaa 123

<210> 19310  
<211> 236  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957196H1  
  
<400> 19310

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tcgttgcatg ggaacttgta gctgaatccg agcgaactct gtaccatac gtgactggat 120  
cctctgtagt cgctatcaaa tacaagatg ggattctaata ggccgctgac atgggaggtt 180  
cgtatggatc taccctgcgg tataagagtg ttgagcgtat caagcctatt ggaaag 236

<210> 19311  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957201H1  
  
<400> 19311

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cttcggggag ttgaaaataa gcgtagatcc ggggattccc gatataggtc aacctttcga 120  
actgctgtga atccacgggc aggcaagaga caacctggtg aactgaaaca tcttagtagc 180  
cagaggaaaa gaaagcaaaa gcgattcccg tagtagcggc gagcgaaatg ggagcagcct 240  
aaaccgtga 249

<210> 19312  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700957094H1  
  
<400> 19312

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agtgaatggg tcagattatg ctttgggtgc caaaacttgt gttctgcaca cagctcatgt 120  
 gggtaatacc tcctttttca tgacctgctt ccatctcatt aatgccttct caggagttag 180  
 tattatttcc atgccttatg cactggcatc tgggggatgg ttaagcatat ccctactatt 240  
 tgtgattgcc attgcttggt g 261

<210> 19313  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957095H1  
 <400> 19313

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 caaaaactga ggctgaaatt cttcatgatg ctgtgaaaga gaagaagggt agctatgaag 180  
 agaccattag ggtcttgacc acaaggagca ggacccaact tggtgcaact ttcaaccgct 240  
 acagagagat ccatggcact t 261

<210> 19314  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957101H1  
 <400> 19314

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 ttttattttg cttctcttcc ttggagaaga gttttgcctt tcaaacaaca aaggagtcca 120  
 cagaaagcaa caatcttcat caatatactc atcttgttca cctcagctca ctccttcctt 180  
 catcttcttg cagctcttct gccaaaggte tcaaaagaaa agcatcatta gaagtggtag 240  
 acaaacatgg gccatgctcc 260

<210> 19315  
 <211> 253  
 <212> DNA  
 <213> Glycine max



<210> 19318  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957105H1

<400> 19318

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aatattctgg aatcggcattg acacaacatc cacaatatgt aacagtaagg aatgaacgtg 120  
gaagagagat gttgagtctt atagagaact tactggagat tactccaaca attagtactg 180  
gggataggcg accatttgtc atggagactg ttaaggctga tgatgaagct aagttaggaa 240  
gaggtccttc tc 252

<210> 19319  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957106H1

<400> 19319

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cttcaccgtc atattcctcc tccttgcaat attattcact ctcacacccc acaaggccaa 120  
cggtgccacg tgtcaccctg aggaagaagc gggcctgttg ggcttcaaat ccggtatccg 180  
atccgacccg tccggcctgc tcagtaactg gatatcgggt acggactgct gcacatggac 240  
cggagtagaa tg 252

<210> 19320  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957107H1

<400> 19320

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tcttgcatth gcgggcaagc cttttgtgcc aatgggagtt tttggctcta ttgttcctgt 120



tctgactctt ggctcatttt ctaagagatg gatagttcct ggatggaggc ttggttggtt 180  
 tgtgacaaat gatccatctg gcacttttag aaatccaaag gtagatgagc gcttcaaaaa 240  
 gtactttg 248

<210> 19321  
 <211> 120  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957113H1  
 <400> 19321

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 aaatgtctat gctagcttcc ccctccagc tcctggaact gaacatcata tccgccaag 120

<210> 19322  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957115H1  
 <400> 19322

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 catggacaca ttcaagagtt atgttcttaa ggagccgatt ggagtcggtg ctttaataac 120  
 tccttgaat tatctctctg ttgatggcta cgtggaaggt tgctcctgct ctggcggccg 180  
 gctgtgctgc aatattgaag ccctctgagt tggcatctgt gacatgtttg gagctcgctg 240  
 aaattt 246

<210> 19323  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957119H1  
 <400> 19323

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 gtactcatat atcagatggt attgtgatgt tggcggtggc cttgatgctt cttggcatat 120



<400> 19326

caataataac ccttctaagg gcattggggc ctcttcctca tcctttggta attctggagt 60  
accctccaat tctatacctt caaaccttg attttcacag tccatggaca ggcccagatt 120  
cctgttggtt atcaaggaca gtttccactg tc 152

<210> 19327

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700957124H1

<400> 19327

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aaaaatgggg acgacgaaga acaacaacaa caacttcaat tctacctcaa aatctgataa 120  
cagtgccaat gacaacaaaa acaacacacg tgtggtgttg aatgtctacg acctcacccc 180  
tctcaacaat tacctttatt ggtttgggtt tgggaatcttt cactccggca ttgaagtgca 240  
cggttaaggag 250

<210> 19328

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700957125H1

<400> 19328

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tttaaagagt accaaaaccg agtgagagct ataattggag cttcacagac taagagctta 120  
gtgaatcaag cactagtact catcactgta ggtggcaatg attttgtaaa caactacttc 180  
ttggtgccca attcagcaag gtctcgccaa taccattac ctcaatatgt caagtatctc 240  
atttctg 247

<210> 19329

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700957127H1

<400> 19329

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gtactcatatc atcagatggtt attgtgatgt tggcgggtggc cttgatcgct tcttggcata 120  
ccttggctct ttacgcgtga acaagtggta gtagttgaag aaaagaagac gaattgggtca 180  
gctttgatca caccaatact agtactactc atcctgcttt tgctgtcgct tattggaact 240  
ccaagg 246

<210> 19330  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957131H1

<400> 19330

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ttaaattgaa aatgaattag tattaacctc gaaccagaca tgtctatata tatatatata 180  
tatatgggtca ccgttacact tcatgtagtg ttctacctta ctggactatg gtagagattt 240  
tactc 245

<210> 19331  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957133H1

<400> 19331

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cggccaagtc tatgtcttcg acgctgttac acctgataag gttcaagcag tggttggtgct 120  
gttgggagga aatgaactaa cttcgggttc gcaatgtgag gagctatcat ctcaaaatca 180  
gactgggtgag gaggaatatc ctgcaaaatg tagtctacca cagcgagcag cgtcattgaa 240  
taggtttcgt caga 254

<210> 19332  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957134H1  
  
 <400> 19332  
  
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 ctttcggtgg taatgttgag gccattgaac atagatggaa ccaacatggt cttggagggg 180  
 ataatgtaag aaatagttgt aggactctgc atcctgggtcc agttagtttg ctacattgga 240  
 gtggtaaa 248

<210> 19333  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957138H1  
  
 <400> 19333  
  
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 caggac 246

<210> 19334  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957139H1  
  
 <400> 19334  
  
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aagctgccca aaagctgaag agatcatcaa ggaacaagtc acacaactat ataacaagca 180  
 tggaacact gccgtttcgt gggtcagaaa tctcttcac gattgcgtgg ttaagtcatg 240  
 cgatgcat 248

<210> 19335  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957140H1

<400> 19335

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 cagtaacatc acatgacttt gtgttcatt taggccctgg aaccacttca aacgtgttca 180  
 agtccgcaat aacctctgca tttgtcaaag attttcctgc tgtcaacggg cttagccttt 240  
 ctgtagca 248

<210> 19336  
 <211> 124  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957142H1

<400> 19336

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 ccca 124

<210> 19337  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957093H1

<400> 19337

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aatgtctaaa gagcaggtgg tggatgtatc agatgggggtg aactacagtg tggctggatt 180  
gttgagtgga ggtcagaagt gtggcggcaa tgatgatata ggcttggtgt tggatccatc 240  
tggttgggga t 251

<210> 19338  
<211> 243  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957145H1  
<400> 19338

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cgcagtagca acctgctaac caatctctct gagaaaaaaa aaatggcgtc gaacgggaat 180  
ggcagcggtg cgaacgggaa cgggaccgct aggaacggac tggcgaagat tcagacgcac 240  
aag 243

<210> 19339  
<211> 263  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957053H1  
<400> 19339

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aaggcagcgc tccacagttg ctgctaccaa attggatttg ttcaggaggc aaggtgaatc 120  
cactgcataa tctgttttgc tcagtggatg attgtaaaat gtacctgcaa tcatttgtca 180  
atacaaataa gctatgattc ctgatccagg tgtatgtaca aggtgctcta ttgagatagt 240  
tttcttcaag taagcttttg att 263

<210> 19340  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957054H1

<400> 19340

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tagagcgtgt tttggcagga aggtggtatg gcgaaggacg ttgaggttgc tgagcgtggc 120  
tccttctctg ggatggacta ccaggagcct ccaccagcac cactc 165

<210> 19341

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957055H1

<400> 19341

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cccttagtaa cggcgagcga accgggcaaa gccaccatg aaaatcggtc gccctcggcg 120  
tccgaattgt agtctggaga aggcgctaaa ggagttgaaa gccaaaggcg aacagaaggg 180  
aagctttgga ggttctgggc tcaagaaaag tggaaagaaa taagggctct ttatcatgat 240  
tgtatacatc caatattgag cc 262

<210> 19342

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957056H1

<400> 19342

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ttcactgttg ctggactcca caagaaggag cttgtctgag aaggaaacag atagaagctt 120  
tgggttgaga aatttcaggt acattgagac catcaaagaa gctttggaaa gggaatgccc 180  
aggagttgtt tctgtgctg atatcctcgt tctctctgcc agagatggca ttgtttcgct 240  
aggaggtccc atatccctct ta 262

<210> 19343

<211> 147

<212> DNA



<213> Glycine max

<223> Clone ID: 700957058H1

<400> 19343

gttcgatgct gatatggggg ttcgaagaaa agtccatgcc gttttgtgca gtcacatgtg 60  
caatatgaca tgccaaacat ttactttggg atgaaatata gtattatatg tatgtttacc 120  
tcacatga tgcaaaatgt gaattac 147

<210> 19344

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700957059H1

<400> 19344

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ggctcaagga actagtattg tttctatcat gggagtttgt ttgagcacc aaattaaagc 120  
tgggttaaat tcaaagcatg ttagtgccga tgcaaaagat cacagcagtc caattagcaa 180  
taaaattaca aaagatgtca gcacaccaat cagtacagtc tcagaggtat cagtgcctca 240  
gactcctcgg attgaggggtg ag 262

<210> 19345

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700957061H1

<400> 19345

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actgcattca tcggtttgtc tctcatgtct gtcattaact ttgctacagc agagattggg 120  
gctttactta ttgtcccgat ttgtctgatg gctagaccat tgaaacttga tattcaagct 180  
aggagctgga gtaccttact aagggcctct tgcaatatgg ctatgaggtt tattgtgt 238

<210> 19346

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700957062H1

<400> 19346

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aatgcttttg cagagatagt ttctactgat ggaagatatt ccgatacatt tgcgaggata 120  
ttgtatgaac taacatctag accaagtaac aaagtggcag cggctcgtgg catatggggg 180  
atgtaaacaat caaactgtga aatgactttg attagtgatc agtgctatat atagttttgc 240  
gacttggatg gcttttggac gac 263

<210> 19347

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700957064H1

<400> 19347

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tgatgagaag gttgactttc ttattactga agcaccatta tttgaagccc catcaccacc 120  
tctctctgga gaggatgatg tgtccagtag tggaccactt gatgaattgg caattattgt 180  
ccgtaaaatg aaagaatcta ttgctgtgaa ggatcggctg tataaaatgc gcagggtcac 240  
taactctttt ctcagctc 258

<210> 19348

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700957065H1

<400> 19348

cactggaaga tggaattcgt gagatTTTTT gattgctgga atgattttca agaaaaggcc 60  
acaacccaag tcttgattgt tttggacaag catgagaacc gcgatactta tgtggtagct 120  
ttccgaggaa cggaaccctt tgatgcagat gcatgggtgca ctgaccttga catctcatgg 180  
tacgggattc ccggcattgg aaaaatgcat ggtggcttca tgaaagcctt agggctacag 240

aaaaatgtgg ggtggcctaa

260

<210> 19349  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957066H1

<400> 19349

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acctgttgcc tcaattgcac tctggatggg ccgtcgatca agcaatcctc gccgaagatg 120  
agcgtctcgt cgtcatccgt ttcggccacg actgggacga aacctgcatg cagatggacg 180  
aggtgttggc gtcagtggcg gagacgataa agaactttgc ggtgatatac ctggtggaca 240  
tcacggcagt gccggatttc aacac 265

<210> 19350  
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<212> DNA  
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<223> Clone ID: 700957067H1

<400> 19350

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ctgttaaatt aaatcaactt taggacaaaa cttgtccctt aaaaagagat agtaactcca 120  
actccaagtc acatcgggtga caaagttaga aacaaggaga aagaaagaag atggcaggaa 180  
agaaaatccc agatgtgttg ctgaattcag gacacaaaat gccagttata ggcatgggaa 240  
cttcagtgga gaatcgtcca tcaaa 265

<210> 19351  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957069H1

<400> 19351

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tgagaaatgg cttgagatgt tgaggttcaa tagcaaggag gagagtactc tgccaaagac 120  
taccatgacc ctctccagc acctttgttc gaccagagg agctcacaca gtggtccttc 180  
tatagagctc tcacgctga gttcatagca agccttctct tcctttatgt cactgtgctc 240  
accattattg gctacaaa 258

<210> 19352  
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<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
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<400> 19352

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cggcattttt gtggtttatt gctcaacatg cttttgtaag ttgtgctttg acatttgagt 120  
tgcaaagcaa aattgctaaa gccaaccaag agggacctta cctaggttta atcataccaa 180  
attcttttga actagacctt cttcttcaga atcctggcta cacagctagt gacaccatca 240  
tagacttcgc tggaaggaga 260

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<212> DNA  
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<223> Clone ID: 700957072H1  
<400> 19353

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agacatcaaa 130

<210> 19354  
<211> 255  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700957074H1  
<400> 19354

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ccgtcaatth actcaaacag gcatgtttgg attccggtht tttctacgtt gtcaatcatg 180  
gaataagcca ggaattcatg gaagaggtht ttgcacagag caagaaattc ttctctcttc 240  
ctcacaagga gaaga 255

<210> 19355  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957075H1

<400> 19355

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catctcagtc atgggcctgc tatcttgtht taggtctacc gtcctgagaa aatgttccaa 120  
aggaagctct ggcattgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180  
gtctggtggc aatgaatcgt attatgggta ttttaacagg agatcataca cttcacttta 240  
tatgggaact ggaactgtgg 260

<210> 19356  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957080H1

<400> 19356

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aaatggtatt gctctcgagc cgaatcggct cgtgatttggt ttattatctt catagctcaa 120  
tgagaaagtc gacatgaacc aagagtagca ctacattact actatccatt gagccaatca 180  
atctctctac cattgatgca atacaacctc cgattctgaa tagaatatcc catgatcacg 240  
atttacaaca gagattgaga ggca 264

<210> 19357  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957081H1

<400> 19357

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agatgatggg gaagagcaag ggattgagaa ttgcatgccca agccaccagc atttccgctg 180  
atagagtccc tgacatgggc aaaagacagc tcatgaatct tcttcttctt ggtgccattt 240  
cactccccac tgctggaatg ctta 264

<210> 19358  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957082H1

<400> 19358

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atggacaaat catccaactt tgatgaaaat tctgatgtgg ggtatcacc ttcttcacct 120  
tccaatactc ctgctttttc cccaatgagt agagaacctt ttgcatattg cccaacatgg 180  
acaagctcag agtctgagac tgtagacgag agcagctatg ccagtgaacc ttcaccttct 240  
cggtggagag ttaaacagga 260

<210> 19359  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957084H1

<400> 19359

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attactatag caaacctgc aggaacactg gttttctcta gtctcattgc cagcaccatc 120  
tatgatgctg aagcagagaa acaacatgc caaaatatga tgttgctgt gctgaatgct 180  
agtgagcctc taaagtgcga aggttcgta tgtttcttcc taacttccat gatcatggca 240



<210> 19363  
<211> 220  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957087H1

<400> 19363

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tcgatgtaga gtatgttttc tccaataggc gtggctcttag ggactatgca tttcacggat 120  
cgctgtgctc ttaaatatca cagtgggtggc atcctctctg ttgatactct gtaccagtgt 180  
acagtggcag gtactctcta cagttctgac tatectcatt 220

<210> 19364  
<211> 191  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957088H1

<400> 19364

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cttttgtgtt tgcgctttcc ctctctctctt cgctcctttt aggggtttct caactcttcg 120  
at ttggggct taaaccctcg ccgattcaga ttgcggattt agggcttccc gttctctatt 180  
ccgcctccaa a 191

<210> 19365  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957089H1

<400> 19365

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tagtaacctc tgccaagcaa caagacaagt ctgaaaatat gatagagatg ctgcctcctt 180  
gctggcgatc gttcgggaag aaacagtaat gctactggca tgggaaagaa ggggattttt 240  
gtttctgcga tcaaaa 256



<210> 19366  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957092H1

<400> 19366

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<210> 19367  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957009H1

<400> 19367

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 acaatactta attggcaata aaagtaatga gttgcgaaag caagcaatat aaattaatta 180  
 aaaagtaatg attgtgcttc tttattcttt aattatgttt atttcattac ttaactttag 240  
 agttagctac attttggttat ctcaaggaa 269

<210> 19368  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957010H1

<400> 19368

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 caccattgat ggtgcaagcc gtcacatgca acgtgcctat cttaccctga tgcaggggtg 180  
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<210> 19369  
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<210> 19372  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957017H1  
  
 <400> 19372  
  
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 cagactttta ctcatgcacc tgcccaaact tggtgcctat agtgaagaaa ggagtggcca 120  
 aagccattca gaaagaacca cgcattggcg cttccttact ccgattgcat ttccatgact 180  
 gctttgtaaa cggttgtgat gcatctatac tggtggatga tacaagcaac ttcattgggg 240  
 agcaaacagc agcagctaac aaccaatcag ct 272

<210> 19373  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957018H1  
  
 <400> 19373  
  
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 aaacttgttt gatactgagc agggatttaa aagggaacaa agattcacct caaaatcccc 120  
 tgcggatgag ataatacaaa agattgagga agccgcaaaa cctcttggct ttgatgtgca 180  
 gaagaaaaat tacaagatga ggcttgcaaa tgtgaaagct ggaaggaagg gaaaccttaa 240  
 tggtgccaca gagatatttc aagtggcac 269

<210> 19374  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957019H1  
  
 <400> 19374  
  
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 gctctgtgtc tgatgttcct tggtctgcac atagcttggc ttgtagcatc atcggatctc 120  
 cgagctggct tttactcaaa aacatgtcca aaagcggaag tcatagtccg agatgtgatg 180

aagaaagccc ttattaggga agccagaagt gttgcctctg tcatgcgctt ccagttccat 240  
gattgctttg tgaatgggtg tgatgg 266

<210> 19375  
<211> 263  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700957022H1

<400> 19375

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caatagaacc atttgttgtg caaattggac tccatgtaat caagccaaaa agtagcatgg 180  
tttataagga tcagtgaatc gaatatcatc catgctactt tttaaagaaa aacatattgt 240  
tggacatggg agtttcgcag aga 263

<210> 19376  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957023H1

<400> 19376

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gttcattact ccgctatgga ttgcgtttat cgtcggcgtc gtcggtggct gggcgtggga 120  
agcccaaagt ggtctttcac cccagagacg ctcttctcaa gtgtctctct cctcgccctc 180  
ccaatcccca taacgacacc gcttttacct aatccggcac cagttcctcc gcgcgtgtga 240  
aagacgcgag taggattcct gtggt 265

<210> 19377  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700957025H1

<400> 19377

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 cttggagaag atttttgggtg gagatgtgag agtttgtgat cgaactgctc tcatccttga 180  
 tatatttaat caacgagcag caacacatga agcgtcttta caggtttcat tagcacaaat 240  
 ggaataccaa ctacctcgtc taacta 266

<210> 19378

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700957026H1

<400> 19378

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 ttctctcttag gagttaccaa taatgttact aataatgtta aaaatgggtcc tgagaccct 180  
 aacaattcat acagaggagg gtcccctagg cttcaagggt cttgggtgag aaatattatt 240  
 actggtggtg caaaaccgtc tactag 266

<210> 19379

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700957028H1

<400> 19379

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 gctggtggtg ccggagagaa acccattcca cttggtgaga acgttctgca gaagcatgct 180  
 gcattctttg acttgaataa agatggtgtc atctacccat gggagacttt taaagggttg 240  
 cgtgaaatcg ggactggggt ttgctg 267

<210> 19380

<211> 272  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700957030H1

<400> 19380

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tgtcaaatta gtgccaatca ctgttgaaga aaatgaggct ggtatccctc agtctcgtca 180  
aatcactcac agtagatttc tgtccgctga cacattttgc cgcacgggtc ggggtgtccct 240  
gaaatttgct gtgggcacgc gtgaactttc ct 272

<210> 19381  
<211> 93  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700957031H1

<400> 19381

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<210> 19382  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957032H1

<400> 19382

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cttcactagc ctcttctgca ttctgtgcct ttccacggag gccagtggat gttccattcg 120  
gcagaaacta cgttcccact tgggcttttg atcacatcaa atacttcaat ggaggttctg 180  
agattcaact tcattctgac aagtacactg gtactggctt ccagtccaaa gggtcatact 240  
tgtttggtca cttcagcatg aacataaaga 270

<210> 19383  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957033H1  
  
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 atgtgatagt tttggcact 79

<210> 19384  
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 <213> Glycine max  
  
 <223> Clone ID: 700957034H1  
  
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 ggttttcgac atttacaagc ctctctatga cttgttcaa tccccctcaa aatctgggtt 120  
 tgtggaggca aacagaggat gctgtggtac cgggactgta gagacaacat cttgttgtg 180  
 taatccaaaa tcaccaggaa cttgttctaa tgccacacag tatgtgtttt gggacagtgt 240  
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<210> 19385  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957035H1  
  
 <400> 19385  
  
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 ggctgggaaa tacgtgagc gtgttggtgc tgggtgctct gtgtacctct ctgcagtgt 120  
 cgagtat 127

<210> 19386  
 <211> 265  
 <212> DNA













gccgatctcg ctgagagtct cgaatcgcac cggtgaccgg aggagatggg gaattccatg 60  
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 tgcgacatgc tcaatcatga ccttgggcaa gcaaaggatg ttgttaaagg tatacagaag 180  
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<210> 19402  
 <211> 80  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956974H1

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 <213> Glycine max

<223> Clone ID: 700956975H1

<400> 19403

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<210> 19404  
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 <212> DNA  
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<223> Clone ID: 700956976H1

<400> 19404

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 tctttgttca agaagctcat ggcggatgct ggtgaagggt gcaagtcctt gcacctttct 180

gacacacagt ggtagtaagc gaagaggggtt tggcaaagta agagttactg ctgaagactc 240  
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<210> 19405  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956977H1  
  
<400> 19405

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tgatgccaaa cccaaaagct ggcactgtaa caccaaatat tccccaaagct atagcagaat 180  
tcaagcaggg gaaagttgaa tacagggcag acaaaaactgg aatcgtgcac ttaccttttg 240  
gaaaagctga ctttccagaa gagg 264

<210> 19406  
<211> 269  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956978H1  
  
<400> 19406

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gcctaaggct gatgagatga agcaggtggt tgacaagttt gattccaata aagatgggaa 180  
aatttctcaa caggagtaca aagccaccat gaaggctcta ggcattggggg actcggttca 240  
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<210> 19407  
<211> 210  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956980H1  
  
<400> 19407

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 agcaacaaaa taaccatcct caagcaaata ataatggtgg tgacaacact cagcttcttc 180  
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<210> 19408  
 <211> 187  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956985H1  
 <400> 19408

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 atatatt 187

<210> 19409  
 <211> 269  
 <212> DNA  
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 <400> 19409

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 ggaaggaaca cgcaccagcg tctccttcag catcaaaaaca attctaacac tggaaaactt 180  
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 gccacccaca agccagaaaa tgcttggtg 269

<210> 19410  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956990H1

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 ggtatcggtg cattcatcac gcgcctccgt gatggaggac cttgaatatg tcttcaaaaa 180  
 gttcgacgca aacggcgacg gaaaaatctc cgcttcggaa ctcggtccc tgatgaagag 240  
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<210> 19411  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956991H1

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 tcccttgtat tggcttctca aatccatgtt tctctggga aactagtccc tggactatca 120  
 tggaattact atttggtgac atgtcccaag cttgagagga ttataaggaa gcactcttgag 180  
 gatgtcttcg agaaggacag tggagtagct cctggcatac ttcgactctt cttccatgac 240  
 tgcttttcta atggatgcga tgcgt 265

<210> 19412  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956992H1

<400> 19412  
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 ttctccacca cattccaatc agaggtttag cactggagca tcaattaact caccactaa 120  
 tcaaaacatc agttctcacc ctcgtggata ctttcagcat tccgaacaaa ttggttcaga 180  
 gttctcaaca gttccctta catcatcaga tagtaaaact actagttcaa gacttcctag 240  
 atactaaata tacatttttt tccat 265



<210> 19413  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956993H1  
  
 <400> 19413  
  
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 cgtgaaaatc tcgaacgagg aatacgattt aagccttagg tcgattccct taagatcaaa 120  
 gcctaaatct aatattcgcc cgtcccaatt tagttcagag ataagaggga tttaagggtt 180  
 cg 182

<210> 19414  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956994H1  
  
 <400> 19414  
  
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 cttcggggag tgcgaaataa gcgtatatcc ggggattccc gctataggtc agacctttcg 120  
 aactgctgct gacatccacg g 141

<210> 19415  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956995H1  
  
 <400> 19415  
  
 gaacaacagc catgcggcgg atgcaccggc ggacggacca tccgacgacg acgctgattc 60  
 ggaagatcag aaggctgcgg atgaagacag caatggagta agcggattgc acgtgagatt 120  
 cttcatggtc ttcttcagtt taattatggc ttttttggct ctatgatata cccacatgga 180  
 ttatggagtgc tcgctactat acacttggtt caattaagat tcttttcttt ctttaatatata 240  
 tgtcaaggaa ataaaacgct g 261

<210> 19416  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956996H1

<400> 19416

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tatccctcca cccccagcaa agaagggccca aagtggagtc ctatttgat gcaaccacag 120  
gacagtttta gaccctgtgg ttacagctgt tgcattagga aggaaaatta gctgtgtcac 180  
atatagcata agcaaattca ctgaaataat ttcaccaatc aaagctgtgg cactctct 238

<210> 19417  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957001H1

<400> 19417

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ggaacgtaca aagcttcggt gatgtcggtt ggggattcga atgtgaagac tgtggtggaa 120  
ccgaatacgt tgagtttcac ggaattgtac gagaagaagg actatacggg gtcgtttaca 180  
tacacttcca tgccgtctgg gacgaccagc ttcgcacgtt tggaatggac ggatgggaag 240  
cataagggtt gtagtccaat tgcgttcagc t 271

<210> 19418  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957003H1

<400> 19418

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ccaattttctc cgccaatcag aagatgagtt ccaccggtgg ttctaccaag ggcggaaggg 120  
gcaagcccaa agcctccaaa tccgtttcaa gatcgagaa agctggtctc caattccccg 180  
ttggaagaat cgctcgattc cttaaggctg ggaaatacgc tgagcgtgtt ggtgctggtg 240

ctcctgtgta cctctctgca gtgctcgagt atc

273

<210> 19419  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957005H1

<400> 19419

acaaattctc aaatccaaat ccaattccaa ttccaattcc caatcttctc aaaccctaata 60  
tcctcatctt gaaaatgaca gaaatcttgc acatccaggg agggcaatgc gggaaccaga 120  
tcggagcgaa gttctgggag gtgatatgcg acgagcacgg catcgaccac accggaaagt 180  
acagtggcga ctctgaactc caattggaac gcatcaatgt ttattacaac gaagcgagtg 240  
gcggaaggta cgttccacgc gccgtcctca 270

<210> 19420  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956956H1

<400> 19420

aaaattttaa gaaatcaaca cacacaaaca caacaacata tggaggcgct aagggtgcaa 60  
accatagctt ccaaatccaa agatgctgcc atcccagcca tgtttgtag ggcagagaca 120  
gagcaaccag gcatcacaac cgttcaaggg gtgaaccttg aggtgccaat tattgatttt 180  
agtgacccag atgaaggga agtggtgcat gagatttttg aggcaagtag ggactggggc 240  
atgttccaaa ttgtgaacca tgacatacct agt 273

<210> 19421  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700957006H1

<400> 19421

gggtaaccba ttaaagaagc atgtgattag catttttttt tcaagtttgt atattcagat 60

atcttgcgtc ctaacgcttc ataaattcga aggtactcat attgcattta aactactata 120  
 cactcacaga agcctctgcg ccacagtctg catgcctcag caaaatgcac ttgtcactga 180  
 gggaaattgc attgacactt cattgataac ttctagccaa agctctttta tgagaaaatg 240  
 atttaacgtc ttttaattttc tccaaacaaa gta 273

<210> 19422  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957007H1  
 <400> 19422

agaccattta aaagacttgg gttgtgctgc atggactggt tttcactttg ccattactac 60  
 cctgcatgcc ctgaaccaga ttttaactttt tgaaccacaa agcattctga taattgtttc 120  
 ctcacagtgc ttctccagga tcatattggt ggcctgcagg ttctttacca gaacatgtgg 180  
 attgatataa cccagaacc tggggctctt gttgttaaca ttggtgatct tctacagctt 240  
 ataacaaatg acagattcaa gagcgtagaa 270

<210> 19423  
 <211> 86  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956912H1  
 <400> 19423

tgcatcgtgg caggtgtggt atccggcgtc gttttgatct cactcatcat ccttttcctc 60  
 atcgtcttct tccgacgcaa gacaat 86

<210> 19424  
 <211> 121  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956913H1  
 <400> 19424

gtaaaatcca aaccaaaatg gcggaaaaag aagccgttga agaagctcag agcaagttcc 60

gatcagagtt ccttcaagtc ctgcgtagta ggcgacccgc tcaagttcca ctaaaagtcg 120  
g 121

<210> 19425  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956914H1

<400> 19425

cagcatcatc acatgcaccc gcgattccta cgatcccttc ccatgggtctc ttctctgcac 60  
cctcgcttta ccttctagaa ccttccctca gatctcaatt ccccttccgc tttctccttt 120  
catggaaatg gcttccactc cccgcaccgt cccagagatc ttcaaggact acaccgcccg 180  
cagaaccgcc atcgttcgcg ctctctctca agatgtggat gaattctacg gactctgcga 240  
tccagataag gagaattgtg cctctatgga catccg 276

<210> 19426  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956916H1

<400> 19426

acaaggcaga aagcaagctc atcctagagt tttaaaaatg gcagcagcct cctccatggc 60  
tctctcttcc ccatccttgg ctggcaaggc cgtgaagctg ggcccatcag cccccgaagt 120  
cgggaggggtc agcatgagga agaccgtcac caagcaggcc tcctccggaa gcccattggt 180  
cgggccagac cgcgtcaagt acttggggcc catctctggc gaagcccc 228

<210> 19427  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956917H1

<400> 19427

aattcagttg catcacatgt tctcaatca catgttggcc attttcaccc agtgccgtca 60

atgtcacctg tgcagcagtg gcaaaatcat cagtctgtgt cagaggggtc acaggtagct 120  
 gtacaggaac attcttcacc atctcaaact gatcaacatt tgatgagatc agatgctaag 180  
 tttagctatg aaatgtctgt taatgggaaa actcttcata gagactatct ggatgctcac 240  
 atccagcaag gtgaggaggc acaaaccatg attttttcag 280

<210> 19428  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956920H1  
 <400> 19428

gtcagcctga gatcatggcg aaagtctcg tggctgtaga tagaccatat cactcctccg 60  
 aatcaagttc ctgcattacc attctgggct tctctagcgt tctaatgtag ggtgtagatg 120  
 agaatggtga tggtagcatg agagttatct ctctgggtat cggtagactct actctcatca 180  
 cttattttcg catctcatat gtagctgaaa aagcagttgc agaagcactt cagtcacaca 240  
 ggtttcgtgg ctatgctccc actgcaggtc ttcca 275

<210> 19429  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956922H1  
 <400> 19429

attctctcgc atctcaatac ccttttgatt tgtgaaagga tcgcaaacat gcttgatcag 60  
 gtccaacacc ctacaatcat ggacaagggt gctggccagc tccatctccg ttctggtggt 120  
 tctggtatta ggagttatga aggagcctac tgccacccca caatgtacca tcctcctctt 180  
 ttgggaatta ctggaatgct gcattgcagt atcctgtgat gccctcatgc aaagctacta 240  
 tggatttgct tgetgctgca acaactgcct cccc 274

<210> 19430  
 <211> 277  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700956929H1

<400> 19433

gtcgtggaag atgagcaacg tgttcgaggg ttacgaacgc caatactgcg agctctcggc 60  
 gaatctagcg aaaaagtgca ctgccgctgg tgctcttaat ggagagcaaa agaaacagaa 120  
 agtttctgaa gtaaaggctg gaattgatga agcagaagct ttgattagaa aaatggacct 180  
 tgaggcaaga agtttacagc caaacatcaa ggggtgtgctt cttgctaagt tgcgagagta 240  
 taactcggat ctcaacaatc ttagaagtga agtta 275

<210> 19434

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700956930H1

<400> 19434

gtttagttat ctactctgtt ctgcatgttt gttctctcaa cgactcctcc gcgaaagagc 60  
 atgatgcaat aaattgggtga ggttgaatcc cgggggttgaa gcgttgcaga catcacgg 118

<210> 19435

<211> 116

<212> DNA

<213> Glycine max

<223> Clone ID: 700956931H1

<400> 19435

acataatcca catggacgag aacaagatgc ccttaacctt cacagaccac ctcagctggt 60  
 tcgacgactc actcaaatca gcgtcccat ccgcggagat tctctacact taaaaa 116

<210> 19436

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700956932H1

<400> 19436

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agaagatgcc gatcagaaac atcgccgtcg gaaggcctga agaggcgact caccgccaca 120  
 cgttgaaggc ggctttggct gagttcatct caaccttcat cttcgtgttc gccggctcag 180  
 gctccggcat cgcctacaaa aagctcaccg acaacggcgc tg 222

<210> 19437  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956934H1  
 <400> 19437

acataaacia aaaaaataaa ctggggagaa gcatgttgtt gatgttggga ctatgcttcc 60  
 tattgttctc tgcatttcca cttgcgttct ctgacagatg ccaccacaaa gacacgaaag 120  
 cgttgctcca actccagaag gacctcggca acccttatca catcatatcc tggaacgcaa 180  
 aggaggattg ctgagagtgg ttctgctgcg ttaagtgtga cgagaaaaca aaccgcgtca 240  
 tttagcgttg cttatcatcc ccttttccag acacca 276

<210> 19438  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956935H1  
 <400> 19438

ggtttggttg cgatgcggtg tggtgcgaat cactgtccaa tcccgatcgc ttgatccaga 60  
 cagtgaatca gactcagaat cagaatcaga atcagagaga aacgatgagg gcagtaagtg 120  
 cgттаатggt ggctcggatg ttgacgcggg accactcgct ccctgtcctt ggcaacgaaa 180  
 gcataccctt cggatcggtg tgggtggttcg cctatgccgg cgtctcctgt ttctcgtcc 240  
 tcttcgtgg catcatgtcc ggtctcacc tcgg 274

<210> 19439  
 <211> 151  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<223> Clone ID: 700956936H1

<400> 19439

gaaagctctc agtcctgact caaaggagaa taaagaanag aaatcaagta tttctaagaa 60  
gaaatggttt gggaagcaaa aattggagac ttcagtctca tactcagaag ctcataaagc 120  
accaccacca ccgcgatcta ttcctcaaga c 151

<210> 19440

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700956939H1

<400> 19440

aggctacaga gttgaggctt ggtcttcccg gattccaatc gcctgaaacg gtaccggatc 60  
ttttctcttt aagctcacca aagcttgatg agaagccact cttccctttg cttcctacta 120  
aagacgggat ttgctcgctg gggcagaaaag ctgttgtttc tggcaacaaa agaggttttg 180  
ctgataccat ggatggggtt tctcagggga agtttgctgg taatacaggg atgaacgcgg 240  
tgctatcacc tagaccttct ggagctcaac ctt 273

<210> 19441

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700956941H1

<400> 19441

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ggaaagtagt ggtctatta ttcgctgca attggtaccc accttgccgt ggattcaccc 120  
aagtcctagc tggaatctac gaggagctaa aaagcagagt ccctcaattt gagattgtgt 180  
atgtgtcctc agatgaggac ttgaatgcct ttaatagctt ctatggaagc atgccctgga 240  
ttgcaattcc gttctctgat ttggaaacaa aga 273

<210> 19442

<211> 274

<212> DNA



attacaacgc tagaaccgcc gacaagccc

269

<210> 19445  
<211> 136  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956947H1  
  
<400> 19445

aagccagatt atgcgtacct caaaaggata ttctgtgacc tgtttatccg tgaaggattc 60  
cagtttgatt atgtctttga ctggaccatt ttgcagtatc agcaatcaca gctagccact 120  
cctccaacac gggcca 136

<210> 19446  
<211> 273  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956950H1  
  
<400> 19446

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tcaagatcaa accatacaac ttctctctca atctaaatcg tcaagggacc atgcaaacat 120  
ctttaaccag aaggcctcta acaattcaag ctacgtatag tgatggtgga aggccagca 180  
gtgctagtgt atttgttggg gggtttctct tgggaggatt aatagttggt actcttggtt 240  
gcgtgtatgc acctcagatc agcaaggccc tag 273

<210> 19447  
<211> 124  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956953H1  
  
<400> 19447

cggaatcatc ggaatctgac agtgacaaca actcctcaaa aaccaacaat tgtcaaacc 60  
tcaatgaaac ggcgctgttt cttgactacg ctcttgcgca ggcccagctt taccacaagg 120  
cctt 124

002250"CTT560

<210> 19448  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956954H1

<400> 19448

ctttgcgcag ttccctacct ctccctctacc tcctgcagat cttcgtcaag accctcaccg 60  
gaaagaccat caccctcgag gtggaaagct ctgacaccat cgacaacgtc aaggccaaga 120  
tccaggacaa ggacggaatt cccccggatc agcaacgtct catcttcgct cgaaagcagc 180  
tcgaggacgg ccgtaccctc gccgactaca acatccagaa ggagtcaacc cttcaccttg 240  
tccttcgtct ccgtgggtggc atgcagatct tcgt 274

<210> 19449  
<211> 136  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956911H1

<400> 19449

ctagattctg ctcttaaacg ccgtcgtttt caaactcttt ttttcccctt cgcttctctg 60  
tctttgtaac cgaaaggggg gaaaatataa ttaacaccga tttcgcgacc aattcttctt 120  
ctgcgttgaa ttggga 136

<210> 19450  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956955H1

<400> 19450

taagatccaa tcaggattca gtttcatggg gtcacagaa cttgactcgg tcacataagt 60  
gagtcttcaa gagttgagga actctgccct cctacgtctt gcagtgcgtg tgactcatgt 120  
caattgtgac gactcattcg atacggcatt ccacgttgac gtgctctccg taggctcaat 180  
ggatgggact cagagccttc tcatattctc gggagcacc ccgggacact ggtcacagat 240

tagacagttg gtgaccttcc acaag

265

<210> 19451  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956859H1

<400> 19451

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gttcttagca gcagcaatgc aaggaacact ggcggttgaa tacagtgtca ccaacaacgc 120  
cctctcaacc cctggtggtg ttcgtttccg tgatgcaata ggggacgaat acgccaaaca 180  
aacacttgac tcagccaccc aatgcatatg gggggtcttc cagcaaaacg ctctgtctga 240  
tagaaaagat atac 254

<210> 19452  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956861H1

<400> 19452

gagattggat cacatatact atctgattct agggttaaat tttaattcac tctactctct 60  
tactctctcg ctcacgcctc acacgttttc tgtctcttgc tcaactctact cagttccctt 120  
cccaatcgcc gctcagccat caccgtcgcc actcacgggg agactcgccc tctctgaccg 180  
acgttccctc cacatccttc aacaaagttt ccggcgtctg ttcgagcatg tgaatcatag 240  
gaagaggagg cgaatt 256

<210> 19453  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956865H1

<400> 19453

ctcaacttct tttcaattct cgcatttcgg aatcagatat ggaagaaccc gtcattggaac 60



ccttatctct aagtt

75

<210> 19457  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956873H1

<400> 19457

ggaatcatta attctttccg ttccagtagt agcagtttag tttatttcct caactcaaac 60  
taaaatgctc aaaatgggac tcaaaaacct gttcttcttc aaaacatcac cttcgccacc 120  
ttcctcttct cccacaagaa ccttctccta ttcactaatg gacgaaaaca tcgaaaccgc 180  
tcgctccatc atttccaaat gggaacttat ttccccttct taccaaaccg cccctctatt 240  
cagcaacaca cgc 253

<210> 19458  
<211> 63  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956879H1

<400> 19458

gcataatccc ttctggacca gctgagatat ctgaccaacg aaagcagctg aaggccatca 60  
ttg 63

<210> 19459  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956881H1

<400> 19459

gtcttatctc ggatctacgc aatgcactgt gtatctgtaa taagaacagg gttcccattt 60  
cgcaaccatc ggacctacnn actcttggtc tcaagggata cgantttctc tgcactcact 120  
tctagggttt cctctgcgct atcagcaatc atggccgacg aaacaccaaa tgagatgaag 180  
gaggaggttc cagaaattgt tcctatctct cctaccaaga agaagaagaa gaagaagatt 240



acaattgtag atcctgctga tgaccctgtg gag

273

<210> 19460  
<211> 126  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956882H1

<400> 19460

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gtaaagataa aaataacatg cacaacaaca tgagcactct ctctttcttc atccttcttt 120  
caacac 126

<210> 19461  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956883H1

<400> 19461

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ccatccttgg ctggcaaggc cgtgaagctg ggcccatcag cccccgaagt cgggagggtc 120  
agcatgagga agaccgtcac caagcaggcc tcttccggaa gcccatggta cggcccagac 180  
cgcgtaagat acttggggccc attctctggc gagccccctg cctacctcac tggcgagttc 240  
ccaggtgact ac 252

<210> 19462  
<211> 123  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956884H1

<400> 19462

atcgagccga atcggctcga gccaaactca accgactttt gacgtagctt ccttctccct 60  
cgttccctct ctctctctct cgctctccgt gttatttaat ctatttcgtg ttaacgacca 120  
cat 123

00220"ET.F.550

<210> 19463  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956886H1  
 <400> 19463

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 atgtagagaa agaaacttct gcctatagaa atttttctga tgggctgtac ggcacttcag 120  
 ataatggaca gttgggtggt gaggaacata cattggtttc accgaaatcc tccccagaga 180  
 tggccgtaaa tggatcttaa gattttcaaa ccatacagag gaaggcagat tgtttgtgtt 240  
 atttgaccta tggatttggt gg 262

<210> 19464  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956889H1  
 <400> 19464

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 tctatatatg aattgaagtg gagatgatat tgggtgtagtt ggtgagatga aggggtgttct 180  
 ttccatcagt ttcttgTTTT gttgtgtgct gctgcttttg gattcttcaa tttcacttcc 240  
 tctatgtgt 249

<210> 19465  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956892H1  
 <400> 19465

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gccttccggt caccgctgat catcctccga agaccgggtca acgagtctgc ctcagctcgg 180  
 ttcggttcca cttttggggtt ttccagaaag caacgggttag attcagtatg tatccccaaa 240  
 cacaagcaca agc 253

<210> 19466  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956893H1  
 <400> 19466

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 tgagtgttaa gtgctgcaac taatcagatc ccaagacctt ggcctacctt gccatacaga 120  
 aaaaaaaaaa gcaaaaaaaaa agccaagggtt tggagccaac aaaaataaac acaaagcaca 180  
 agtcatggaa agaataatgg ttggaagtgc aacaaagggtt gctttcaccc tcttggccac 240  
 tttcgccatt g 251

<210> 19467  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956894H1  
 <400> 19467

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 aattttcatc gggcgccaag gagcactagt gtgcttctgg ttgttgtctg tgttttttgt 120  
 ggtaacagga ttcaacaatg aagagcacag gacagtggag gtagttggcc taggagaatg 180  
 cgcagactgc aggcagaaca atattaagaa taaccacgct ttctcagggt tacgtgtgac 240  
 ggtagattgc 250

<210> 19468  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956895H1

<400> 19468  
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 agaccggtgg cgccggcaaa ggtcgacta acatgcgccg caccgtcaag agtgctcctc 180  
 agagcatttg gtatggccct gaccgtccca agtacttggg tccattctcg gagcagattc 240  
 catcatacct gaccgga 257

<210> 19469  
 <211> 108  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956896H1

<400> 19469  
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 tagaattatc aaaaagcggg gaaagggaga ttgaattcga tcctggga 108

<210> 19470  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956901H1

<400> 19470  
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 tcaactcttg tcttgcgaga gaaagccatg ccagagacga agatttttgg catgctgttt 120  
 ggccaaacac tcccattcca agttcattgc gagatcttct aaagcctggc cctgcaagtg 180  
 ttgaaatcga tgatcaccct atgcaaattg aagaaacaca gtacccgaaa accttcttct 240  
 ataaagcaga ccttcatcca ggcaaaacaa tgaaagtaca att 283

<210> 19471  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956902H1

<400> 19471

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 cctgctggga actctactgc ctggaacatg gcatccagcc cgacggcatg atgccttctg 180  
 actccacctt cgggtgtagcc cagcagcct tcaacacctt cttcagcgaa accggatctg 240  
 gcaagcacgt cccccgtgct gtcttcgctg acctcga 277

<210> 19472

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700956903H1

<400> 19472

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 aaggagctca ttatctggcc actggtgagc tcgtgagcct tagcgagcaa cagcttgtgg 120  
 attgcatca cgtgtgtgat ccagaagaat atggagcgtg tgactcaggc tgtaatgggtg 180  
 ggttgatgaa caacgcattt gagtacatac ttcagtctgg gggagtacag aaagaaaagg 240  
 actatccata caccgggaga gatggcacct gcaaatt 277

<210> 19473

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700956904H1

<400> 19473

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 gagcaaccag gcatcacaac cgttcaagggt gtgaaccttg aggtgccaat tattgatattt 180  
 agtgaccag atgaaggga agtggtgcat gagatttttg aggcaagtag ggactggggc 240  
 atgttccaaa ttgtgaacca tgacatacct agtcatgtt 279

<210> 19474  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956906H1

<400> 19474

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 tcacactttc acgagccgca tcaccgactc tctgcacctg caactgcaac ttccaacttc 120  
 aacttcaacc actgcaagct tagctctgaa agaaaagaaa agaaaaagaa aatatctcca 180  
 tttggtttgg ttggtgaaag ttgaaacctt ttcacgagct caagttggta gtaacttttt 240  
 taacttggcg gtctcttttt ttctacatcg actctcggt 279

<210> 19475  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956907H1

<400> 19475

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 ctgagcaaca cgcttctcag ttgcatgaca taatacagag tgttcaatta gagcataatg 120  
 ggatccaaaa atgctcatgg gaagaaccac aaggacaaaa ggaacaaatt taaggataat 180  
 ttgagttcta gttattcatc acccagtgat gccaaaggta tctcatcag tgatcctcga 240  
 tattcaaagg ctcacacgga tctcgggttc cgtga 275

<210> 19476  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956908H1

<400> 19476

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 aaacgagtct tgagtccaat caagtgtggt tttctatcac actcgcaaca tctgaatttc 120  
 tttactattc tagtgcttgc ttcggttcca aatcctctat ttgaccttgc tggcattatg 180



ttactatctt gcctctcttc ttctgctact gctgctcaac ccacacacca ccctgggagc 60  
gcagaacctc atgctaccct accataacgg cgcctctctc aaaggaacca ttaccgttaa 120  
cctcttatgg tacggcagct tcacccaat ccaacgctcc ataatcctcg acttcattaa 180  
ctcgттаagt tccaccgagg gggccccact tccctccgta gcatcggtgt ggaagaccac 240  
ggacaagtac aggggggggat ccactacaa 269

<210> 19480  
<211> 286  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956817H1

<400> 19480  
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ttaaaccatt gatgaaagtg gctgtataca catgcgagga ttgtggattt gaaatttacc 120  
aggaagtaac tgctcgggtc ttcattgcct tgtttgaatg cccatcaaag cgctgtgata 180  
caaacagaag aaaggggaat gttatccttc aactaagagc atcaaaattt ttgagatttc 240  
aagaggccaa aattcaagaa ttagctgaac atgtcccaa aggcca 286

<210> 19481  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956818H1

<400> 19481  
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aagccagaac aaccccatca ccccttttgc ctttcatcaa atcctccttt gcttcttcca 120  
agtcaacctt ttttaccct gcccttttgc tacaaacctc ttccaacttt cccaggcttt 180  
ttggaaagcc taagtttttc tctgttcatt caagggtgc cacagaaaaa accatttatg 240  
atcttactgt caaggatatt gacaga 266

<210> 19482  
<211> 263



002220" ETTT560

<212> DNA  
<213> Glycine max

<223> Clone ID: 700956820H1

<400> 19482

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tatggctaca agcagcgaca gcaggtgggc tatggcttcc ttgcgctctg ctttgccttc 120  
tcattctcct cctgtttcct cttcattgcg cttccctgta ttgccatctt caccgtcttc 180  
ttcttcaacg aaactccgaa tttctcgaag caaaacccta atccctcttt cttcctcttc 240  
ctcagtagtg cgatttttoga ttc 263

<210> 19483  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956821H1

<400> 19483

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cttccccatc cttggctggc gaggcctgta agctgggccc atcagcccc gaagtcggga 120  
gggtcagcat gaggaagacc gtcaccaagc aggctcctc cggaagccca tggtagggcc 180  
cagaccgct caagtacttg ggcccattct ctggcgagcc cccgtcctac ctcaactggcg 240  
agttcccagg tgactacggc t 261

<210> 19484  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956822H1

<400> 19484

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ataggttggtt attacttatt tgggcttcca ctggggttcg ttcttggtta tacagcaaatt 180  
ttgggggttg agggactttg ggggtggtatg atatgtggaa ttgttctcca gaccttgctg 240

ctcttgttga tactttac

258

<210> 19485  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956823H1

<400> 19485

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 tcggaaagat ccttcagaag aagggcacta tcattcttcc acctctctct ttcaaactca 120  
 aggtcataag gtcttatgct ttaaacaanaa cctgggtggt aggttttcta atggatatat 180  
 taggggcatt attgatgtta agggcattgt ctctggctcc agtgtctgtc atccaaccag 240  
 tttctggctg tggactagc 259

<210> 19486  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956824H1

<400> 19486

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 gggtcggaag gtttctttca tggatgatgg tccttgggaa ataaagggtta ttcgtgatca 120  
 cttttgattt ccaacatctg gtgtagaate tcttgaggac ggaacgcctt ctattacaaa 180  
 acctggaact gctaaattct ttgagggagg tattgcatcc tgggtggaaaa ggggaaagaa 240  
 accaatgata agaaagtc 258

<210> 19487  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956825H1

<400> 19487

gaaaaacccc actctctgaa gtaaccaacg caacccatca ctctttcttt ctctctcttc 60



<223> Clone ID: 700956832H1

<400> 19490

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gggttgtgaa agcagagaag tgagatacac taagttatcc tcataaatac actctaatta 60
ggtggcaaga taagtgtcta accttagtaa cattgccaca tatttgtgttc attctggaat 120
tgtgccacta aaattctatt caattcatct atggctgcct cttcttatgc tatgcaatca 180
atcctggcaa accctttgat cgcatttcc agcgggtcta gggatgaacca atttggcggt 240
cctgctttgc acatgag 257

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<210> 19491

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700956833H1

<400> 19491

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caattgcgat gaaggactca acatcttgac accaccccat ttcctaagtt tgctcctttc 60
tctgctcctt cttattgggt ttcatttttg tcttctgggg ttccttttgt tcttttcacg 120
tgtgatgtgt tcatgattca tagctccaca ttttgcattt attaatcagt catgtcagtt 180
gatttggatt agtcgtgttg gacctggatg ctgctgctaa tacagttgat ccacaaatga 240
gattccgtat tgcattgttt 260

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<210> 19492

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700956837H1

<400> 19492

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gaaaattgtt atatgtgaga cgaggtggga atccgagagt ggaaaagggt ttggtgggta 120
agcttgctgg aggtgctgga atgatattgg cgaatagtga agcctacgga gaagagttag 180
ttgctgactc tcatcttctt cctgctgcgt ctttgggaca aaaatcaagc gagattttga 240
agaactatgt ttcattctt 259

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gtatgtgctg attgt

255

<210> 19496  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956842H1

<400> 19496

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 tatacaggcg tattttgcaa gccacaaag atcagaaaga ttttagagtt ataattgtga 120  
 tgccctctt gcctggtttc caggggtggc tggatgatgg tgggtgctgct actgtaagag 180  
 ccttaacaca ctggcagtat cgaacaattt ctagagataa tcaactccata ttagacaatc 240  
 ttgaagctat act 253

<210> 19497  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956846H1

<400> 19497

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 cgagtcccaa actcagctgg tcgactctcc cgagtctgaa agtcagcggg tcgactcacc 180  
 tgagtctaag attcgctgag ttgactcgtc cgagtctcaa ctcgactcgg tccttgactc 240  
 ggaggtgcgt ctacaagac 259

<210> 19498  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956848H1

<400> 19498

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 gtaaggggat ttgttggatg ccagtgacca gcagcaactt gaagatcagg aagaacatca 180  
 tgggtggggat tcatcagatt ccagttctct gtgtccctgc attaactggg acaactcaat 240  
 tgcttgtctc agccactggt 260

<210> 19499  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956849H1  
 <400> 19499

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 atcgtgctga taactggagt cggaaaagga ctcggaagag ccctggctct tgaactcgcc 120  
 categtggtc aactataat tggctgctcc cgttctcaag ataacctcaa ttcctccaa 180  
 tcccaactct ctttttcttc ttccaaccat ttgttactca acgccgacgt gagctccaat 240  
 gagaacgttc aagaaatggc c 261

<210> 19500  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956852H1  
 <400> 19500

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 gtaaaaatgc agcaccttta ccattggaca caccaagttc atcaggtgct ttaaggaaca 120  
 gaactgagcc tttggaaatc aaagatgaat atgctcaatg tagtgatgaa tcattggaac 180  
 tcaacaatga gaagattggg ggtcctgcat ccaggttat agaaaatgca tgcacaatca 240  
 cagctatagt gggaaa 256

<210> 19501  
 <211> 256  
 <212> DNA  
 <213> Glycine max

0953113 092900

<223> Clone ID: 700956856H1

<400> 19501

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tgagactatt gcaaaatgct gttatgaact gcagatcctg gacctcagca aaagtattcaa 120  
gctaactgat cgttcactct atgagctcgc ccttggttgt cgcgatctta caaaactcaa 180  
catcagcggg tggttcagcat ttagtgacaa tgctctggct taccttgcca gcttctgcag 240  
aaaactgaaa gttcta 256

<210> 19502

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700956857H1

<400> 19502

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attgatagga aggaggaagg aacgaagcgg aagcgcaagc gaaatcgctt tgtctctata 120  
ttgagccact ttgaatctgt cgccgcaacg gtagatcaaa tcgagtttca cctgaatgct 180  
ctttctggat gcgatttagg ttgttgaagg aaacaacaag tgaaaacatg attcttctca 240  
aagacattgt gcct 254

<210> 19503

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700956815H1

<400> 19503

gttctccaat actgagcttg ggctattaaa tatgcaagtg cctgaagcat ctggctccat 60  
gctcagacaa tacaaaagta gtgtggacaa tgctaaggat ccgattgtga attcagtttc 120  
atttctaca ccattgacta atactcttct catggagctc tctgaagatt gcagaacatc 180  
catgaacaga aaccatactc ttatgactgc ttcaactgat ttgtctaata ctagatgaaa 240  
caatgtttac ctgaatacaa gcaactgt 267



<210> 19504  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956776H1

<400> 19504

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 tgggtggggct ggccctggtg gactccgctt tgttgtgagc ggatctggag cggcgccgac 120  
 gcaccgtcca gtggagggttg aggcagggcg gcggaggcgg agagcgggtgt aggcggatga 180  
 gaaggtctac gaccagggag tcgtctgccca tggcgacctt gacccagtga tcgt 234

<210> 19505  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956777H1

<400> 19505

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 ccaaggttac ttactctgga gctgtggttg aagtctgcat gaggaaactt gttttctatc 120  
 ctgaagttgt aagctttatt gaagatgaaa aagatcaatt tccatcagtt aaagttcaat 180  
 atgttttttaa ctctccacca aagctaatta tgctggatga tgcgggtcag caaaaagaaa 240  
 caatc 245

<210> 19506  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956778H1

<400> 19506

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 aggcttgga taatgtttga ctgtgacaag tacaacatta agccagacct tgtatccctg 120  
 gctaaggcac tatcttctgc atatttgcca attggagctg tccttgtaag cccggaaata 180

tcagaagtta tacatgatca aagcaacaaa ctaggttcat tttctcatgg ttttacttat 240  
tctggac 247

<210> 19507  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956780H1

<400> 19507

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cacagagcag aaaggcagac cttcacaacc tggatatggt gatgcaggaa acatgtatgc 120  
tgcccagggt tcaggagcca gggcagttgg atttccacag atggcaaata cgcagccat 180  
tgcagctgcc tttgggggag gtctgcctcc tggaataact gggacaaatg acaggtgtac 240  
agttcttgta tca 253

<210> 19508  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956781H1

<400> 19508

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gtttcgaatc tccccttaga tcacaccgat ttgccttct tctttctctt taaacttttag 120  
gctcgctagg gttaggggta gggttagggt taggttttcg gtgaggcgag agagtatgag 180  
gttgagggag gacttgccgt gtaaaaacga tgacgtttgt gagaaagagg aagtgatgat 240  
agagaatgat gtaaccgtgg cccaaaatca ttggtg 276

<210> 19509  
<211> 266  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700956782H1

<400> 19509

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agagtgtgca gagaaaatca tggtggacgc agcagaacgt aggtacttgg aggatgacga 120  
ttcatcactc atgaaaacta ttaagggggc aacaactggg ttagttgctg gcactatctg 180  
ggggaccgta gttgccacct ggtatgatgt ccctcgtgta gagagaaatt gttgctcttc 240  
cacgggctnn gagttaggac tttcaa 266

<210> 19510  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956783H1

<400> 19510

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aacctcaac ttctgacac cactcgcagc ccctgagatt cggcggcggc tagcgtcggg 120  
ggcggcagct gcgacgagg accctccgca atcgccgctg tcgttcaact tctcgtcggg 180  
gggggagaag gtgtacgtga agccgcgggc ggggaagtgg aagccgtcgc cgtcgtcgac 240  
ggttacgatg ccgatgtcg 259

<210> 19511  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956784H1

<400> 19511

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ccagtgtggg ggcgtgttgg atattgcaaa gctcaaggga gatactctag attaccttgg 180  
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<223> Clone ID: 700956785H1

<400> 19512

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 tctccatttc catttccgcc tgcaacattc attcagagct aggttcagtt tccgccattg 180  
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 ctttcgtacg atcct 255

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<223> Clone ID: 700956786H1

<400> 19513

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 aagacgacgg caaggactac caggagccgg cgccggcgcc gctggttgac ccgacggagt 180  
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<223> Clone ID: 700956791H1

<400> 19514

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 ggcaaattggg gatggcttgc cttctgaact aatagataaa ttttcaacta ctgcaaggtc 180  
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<223> Clone ID: 700956793H1

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 ggacttgggt taccttcatt agaggggtgct gattctacaa gaccagttac atccacaaat 180  
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 agtg 244

<210> 19516  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956794H1

<400> 19516

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 taaatgaatt tcttcacgag catcactata gtgttactga tgaatttgat gtctctgatc 180  
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 gtatca 246

<210> 19517  
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 <212> DNA  
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<223> Clone ID: 700956795H1

<400> 19517

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aaattccatc agacttgtgt ccataatctg tccctgtgat ttactttttg gagtcaatgg 180  
 aaatatagat caaggtggca actgtagttc ttggtgtttc tgctaaaaaa aaaaaaaaaag 240  
 gggggggcgg 249

<210> 19518  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956796H1  
 <400> 19518

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 cacagggacc ggaatagaga agccagacta tttggcgaca gtggatgtgg atccaaactc 180  
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 tcacacaggc t 251

<210> 19519  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956801H1  
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<210> 19520  
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 <213> Glycine max  
 <223> Clone ID: 700956804H1  
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ggagttcctg caggagcggc agctctacga cgacgaccac atcctgaagg cgaagatcga 180  
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 caccgaggac gtcccgaacg ata 263

<210> 19521  
 <211> 260  
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 <213> Glycine max  
 <223> Clone ID: 700956805H1  
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 cctcttatgg tacggcagct tcaccccaat ccaacgctcc ataatcctcg acttcattaa 180  
 ctcgttaagt tccaccgagg gggcaccact tcctccgta gcacgtggg ggaagaccac 240  
 ggacaagtac aggggggggat 260

<210> 19522  
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 <213> Glycine max  
 <223> unsure at all n locations  
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 ccaactaccac tggccacgag atctacaagc ttggaggcat tgacaagcgt gttattgaga 180  
 gatttgagaa ggaagctgct gagatgaaca agaggtcttt caagtatgcc tgggtgcttg 240  
 ataagcttaa ggctgagcgt gaaa 264

<210> 19523  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956808H1

<400> 19523

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 ccctccgttt tgggcagaat ccgaacatgg tatattcaat gccatcttaa gaggtcacat 180  
 tgattttaca agcgatccat ggccttcaat atccaatgca gcaaaggatc ttgtaaggaa 240  
 aatgttgact acagacccca aa 262

<210> 19524

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700956809H1

<400> 19524

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 tcttttggcg tgttgccac ccactgaaca catttgcact cacacataga aacacagaga 180  
 ggccattggt tggtttcaga gatgggaagc atgcacatag aaaccccaga aacttttgc 240  
 gatggtagca aaaacttcga tg 262

<210> 19525

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700956810H1

<400> 19525

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 gacctcatct gcgatgatca cggcatcgaa cacaccggac agtacagcgg cgactccgaa 180  
 ctccaatata aacgcgtgaa tgtctactac aacgaggcca 220

<210> 19526



<211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956811H1  
  
 <400> 19526  
  
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 ttctccaaag gcaaaggctt ttgagatgga agtcttaaac ccgattgaag gcaagaccta 180  
 caagctccca gttggatata gatttgatcc aagtgatgaa attcttgctg gttactatct 240  
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<210> 19527  
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 <213> Glycine max  
  
 <223> unsure at all n locations  
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 tttttgatgg agagtgggtt aaggatgatg catatcctct ctataagcca gattcttgct 180  
 ctttgattga tgaacagttc aattgtatta ggaatctaan gcctgataag gattatcaga 240  
 aatatatgtg gaagccaaag 260

<210> 19528  
 <211> 88  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956813H1  
  
 <400> 19528  
  
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 gttcctgttt aatttaacct cgaaagga 88

002220" ETTT560

<210> 19529  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956775H1

<400> 19529

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 ttcacagaa gcagatcttc tgaacaagt cagtttcta tattttccct ttcacccatg 180  
 ataatttgct ggctttgtta gaatatactt aatggttggc atatttatcc tttccccccc 240  
 att 243

<210> 19530  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956718H1

<400> 19530

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 tccctgtgat ggacgccgat cctcctcaac ttgatgatca tttggaacct ttcagggttt 180  
 ctgtgaatca aattctcacc acagtcaaca agcttgagaa gcaagtgact gaggttgaac 240  
 agttctatga atc 253

<210> 19531  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956723H1

<400> 19531

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 actgaactct tccacattcc aagagtgaga acagaaactc gatacgtctc atttaccaga 180

aatgggttttt ggggaaaaca ctttgattct aaaacacttg agcagtggaa ccaaca 236

<210> 19532  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956724H1

<400> 19532

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cgtcgatcat gtcggtgttc gaggacaccg taatcgacaa cgggtggcaag aatcaaaggg 180  
aggttggtgt ggaggactac atgggatgctg cctccgtgca tgggggtggga tcctctatcg 240  
ccattttt 248

<210> 19533  
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<212> DNA  
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<223> Clone ID: 700956726H1

<400> 19533

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ccatggaaga agatatttgg aagcgagtag aaatgaggcc tttaactcag ttggacaaaa 180  
tattaagcac tgcaagatgt acatgcaata taagtttcca agtgaaggac gtagttcatt 240  
cttgtggca 249

<210> 19534  
<211> 250  
<212> DNA  
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<223> Clone ID: 700956727H1

<400> 19534

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 gctgagaaga tgcagcagac accgcctatg attcctatga tgccttcgtt cccacctacg 180  
 aacataacca ccgagcagat tcaaaaatac cttgatgaga acaagaagct gattctggca 240  
 atattggaca 250

<210> 19535  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956731H1

<400> 19535

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 agttccta 128

<210> 19536  
 <211> 258  
 <212> DNA  
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<223> Clone ID: 700956733H1

<400> 19536

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 accatacttg ctggagattg gttcaagctt gaccaccgaa gactgagacg actcctagag 180  
 aatggtcata atctcccctt ccctgatggc cttcttatca atggacgtgg ttggaatgga 240  
 aacaccttca ctgttgat 258

<210> 19537  
 <211> 76  
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 <213> Glycine max

<223> Clone ID: 700956734H1

<400> 19537

aaaaagaaaa aaaaaaaaga aaaaaaaaaa aaaaaaaaag aaaaaaaaaa aaaaaaaaaa 60

atgcaaggaa aaaaat 76

<210> 19538  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956739H1

<400> 19538

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tcactgggtcc gtttcattgt aatatttgct ttatgggtaca gaaccatggc tttggccaag 120

ttgccaccaa acccttcacg agttccagca gttttagcgt ttggagattc catcgtggac 180

ccaggcaaca accacaacat gaaaacattg atcaagtgcg acttcccacc ttatgggaaag 240

gatttttc 247

<210> 19539  
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<213> Glycine max

<223> Clone ID: 700956740H1

<400> 19539

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ggtgcccgtg ctccggaggt gaaatgcgca agttggaggc ttgctgtgga agcacacaac 180

atcttttggt ttgagaccat tcctgaagag tgcgttgaag caacaaagga atacatccat 240

ggcgaa 246

<210> 19540  
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<223> Clone ID: 700956742H1

<400> 19540

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 aaccttcccc tctctctcac gctccggccc cacacttgac ctccctcaga tcggagccat 180  
 ctctccccctc ccgatctct tccaccgcaa caccgcatcc atgcctttcg cgaaggaaaa 240  
 cgcttcggg 249

<210> 19541  
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 <212> DNA  
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<223> Clone ID: 700956744H1

<400> 19541

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 gccgccgttg ccggcggttt atatgccatt ctttcatcct caacctctgc tagctctgag 180  
 atggaagtgc cgtttggcag cgcacggcgt gagagcaaag aacgtgacga tgggtggctcc 240  
 ggggtct 246

<210> 19542  
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<223> Clone ID: 700956745H1

<400> 19542

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 atcgtcgaca gcagttcgga atcggaagg agttgcctcc gatgagagac tttcctcggt 180  
 tcctgaagtg gactaagcat gtccagggtc agatgcggaa g 221

<210> 19543  
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<213> Glycine max

<223> Clone ID: 700956764H1

<400> 19552

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gtcaccattt ttgacaaaaa cagtgtcaaa gagacagaac ttcccaacaa agaagcacca 180
gaagtgaaca agccagagca acaaccacct ttcattccgg agactgaaaa cagctatggc 240
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<210> 19553

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700956717H1

<400> 19553

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gtgccggctt ggcaattata acaaagaatg aagcactgct gtggacggat ggacgatatt 240
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<210> 19554

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700956765H1

<400> 19554

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cgattcagcc aaactctgtt tctcgtgcga tcgcgaggtt cactccacca accagctctt 180
ctcgaaacac acgcgcacgc tgctctgcga cgcgatgcgat cattcccctg ccaccatact 240
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258

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 <212> DNA  
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<223> Clone ID: 700956771H1

<400> 19555

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 gggatctctt ggtatcaggg gtgaagcctg attacatatg ttcacaagtt ggtttatgtt 180  
 cttccaaaag gcatgaatct aagagtgtctg gaattgaaat ggtgactgaa aaggagcagg 240  
 gagagttgac ggc 253

<210> 19556  
 <211> 221  
 <212> DNA  
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<223> Clone ID: 700956772H1

<400> 19556

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 tgctcttata catgctggac cagtggagtt tctttattac tggttacata gggcacttca 180  
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<210> 19557  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956773H1

<400> 19557

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aagaagcgct caacaacccat gagctaactg ctcccaagcc agaaccggag aagacgaaac 180  
cagcagcaga gaagaaggag gaagttgaag tgacagaagg gaagaaggaa gctgaagtca 240  
tagaaga 247

<210> 19558  
<211> 244  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956774H1  
<400> 19558

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cctcgcaaac cctaaaccta atctcatagg aacatggacg gcgacgacga gacctcgggt 120  
ccgatgatcg acgaaatcta cgccaacggc ggtggcgctcg gcgacgacgg agacaagcgg 180  
agccgccgcg caatcatgag cggcgaccag ctcgacatcg aggcgtacgc ggcgctatac 240  
tcgg 244

<210> 19559  
<211> 77  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956679H1  
<400> 19559

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acaggccttc ttcaggg 77

<210> 19560  
<211> 164  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956680H1  
<400> 19560

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164

<210> 19561  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956681H1

<400> 19561

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tgtaatgcgg aggaacgcca gcgattttct gagaaaataa ttgtcttgct ccttactgtt 180  
gatgccattg agggagctga tattatggta agatctgccca agaggtcaat ggtggatgag 240  
ctggaagcaa tgcttgatgt ggtag 265

<210> 19562  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956682H1

<400> 19562

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tgcttggagt actctgcgcc actcgcccca aaccttggct tctctccctc gtccacgtcc 120  
acgcttcctt gcctcgcta cctcattccc ctctatcacc ttcagcctcg ccgcgcgccc 180  
gtcgccgcca ttccaccgcc tgcaaacttt ttctctccgg cggcgctgcc gcctccatat 240  
ggcacgctat catgccccga ggt 263

<210> 19563  
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<223> Clone ID: 700956683H1

<400> 19563

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 ttaataacca gtcactaact ctatctgaaa tagtattatg ttgtatgtat atcatgggag 180  
 agcttagtgc ctttttcttt cttctaatat gtaatttgat attctagctt cccattgtat 240  
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<210> 19564  
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 <213> Glycine max

<223> Clone ID: 700956684H1

<400> 19564

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 gtgggggtggg gcttgtgaag gctttgcaga agagctacta caacaggtac aaaggtggcg 180  
 tgaacatgct cgctgatggg tacagcaaag gaaccggttt gggcgctgag attattggca 240  
 cctttattct tgtctac 257

<210> 19565  
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<223> Clone ID: 700956685H1

<400> 19565

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 ctgtcattgc tcatgttgat cacggataat caaccctgac tgattctctt gtggctgctg 180  
 ctggtatcat tgctcaagaa gttgcagggt atgtccgtat gactgatacc cgtgcagatg 240  
 acgctgagcg tggat 256

<210> 19566  
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<223> Clone ID: 700956686H1

<400> 19566

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tctttggcgt cgctcgcatc tttgcctcct tcaatgatac cttcattcat gtcactgatc 180  
tgtccgggag ggaaacactt gtccgcatca caggtggaat gaaggttaag gctgacagag 240  
atgaatcgtc tccctatg 258

<210> 19567

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700956687H1

<400> 19567

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aggggggtgaa atgttttaaag gtttggagta gcgtatgggc cgtgaggcta tgattatgta 180  
tcatgtaact tgtaacatat ttcttgggtt gtttattaaa acattaaaat aaaatttagg 240  
gtttatatac ttgtaa 256

<210> 19568

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700956689H1

<400> 19568

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accataagac aacacaaccc atttaggttc atcactctct acagaacaag gaactccaat 180  
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agggtggggg cgagag 256

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[illegible]

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<400> 19570

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<211>	249
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<400> 19571

8356



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 catatagat 249

<210> 19572  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
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 agacaggggt acgccgttca aagctagagg cggaggccgt ggtggccgag gaggaggcag 180  
 ggggtggtggc cgtggcgggc gcagaggtgg aatgaaggga ggtagcaagg ttgtggttca 240  
 gccccatagg c 251

<210> 19573  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956695H1  
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 tctcaagga aggtcaaggc tgggaaaccc ccgaagtcgg tgacgaagtc caagttcatt 180  
 acacggggac ttgctcgac gggactaagt tcgattcgag ccgacagag gattctccct 240  
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<210> 19574  
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 <223> Clone ID: 700956696H1



[illegible]

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<223>      Clone ID: 700956707H1

<400>      19578
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<210> 19580

<211> 255  
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 cagccccggt tggcacggat tttgcacgga acagaatctg aaaactgcag aaacttctca 120  
 atggcagcta tttcagctga agtatttggc aaactcaact gatgggccaaggagcatga 180  
 gtctgtcctg tttcattctg atgaacaaca aaaattcatg tcaatgagag gcacatccat 240  
 aaattctggg tcctc 255

<210> 19581  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956711H1  
  
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 ccatttggtg aaatttggtta ctgtattgca ttgcgtttgc tgcaccatt aatggcaggc 120  
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 cacgtgaac tcacctcca ctccaacttc 210

<210> 19582  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956712H1  
  
 <400> 19582  
  
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 caacaccaac cagcctactt acgatgcgat gatatacaca gcaatcgggg ctctgaagga 180  
 gaaagatggt tcgagcaagc gagccatagg aaagtacatg gaacaagtgt ataaggacct 240

00331113 032200

tccaccca

248

<210> 19583  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956714H1

<400> 19583

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 aataggcagt gattcagaat ggtatgacat tcctgggatt gatgaacttt atgctcaagt 120  
 gatattctcaa gatctgtcag caagggtgact tatcctatca gatagttaaa actcattttt 180  
 tcaataaagg agggccgttt gtcattgtact gtaattttta tttattttatt tttatgatgt 240  
 gtttggaagg atcag 255

<210> 19584  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956678H1

<400> 19584

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 cttccacccc cagataaccc ctctttttgcg aaaaccatca ctgcttttac tttctcttac 180  
 ccttctcttc aaccttctat tcaacccac caacaccaa gtcaaccaac acacccta 240  
 gctcaacaca acactg 256

<210> 19585  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956715H1

<400> 19585

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agtgcatgtg cagtcacttt ttgtggggat ggtgccacca gtgagggaga ttttcatgct 120  
gctatgaatt ttgcagcagt aatggaggcc cctgttgttt ttatctgtcg taataatgga 180  
tgggcaatca gtacacctgt ggaagaccaa tttcgaagtg atggtattgt agttaagggt 240  
aaagcttatg g 251

<210> 19586  
<211> 275  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956633H1

<400> 19586

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acttatctgt ctagactccc ttggttttga tctaagagtt tgttctggaa ctcagattca 120  
aacactgaga tttacattca agaacagggc cacttccgag tacagtgtcg agagacaact 180  
caacgatata ctatttccaa gaattcacc aaagcagcaa aaaatgaagc aaacacatca 240  
aatgaatgc taaaatcatc tgagtgtcat catac 275

<210> 19587  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956634H1

<400> 19587

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cctccttgcc aggtgtgtcc actctctctt tctctctctt catccttctg ttgggttggt 120  
tgtggagtgt tgttttctgt tgtgcacgtg ttgtcatttt ttaccctcgc cacagatctg 180  
aagtgttcaa gtttgatttt tgtgcttctg gaagttaaaa tggccaaga aactttctca 240  
ttcacatctg aatcagtga cgagggggcac c 271

<210> 19588  
<211> 267  
<212> DNA  
<213> Glycine max

[illegible]

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cgtcgatgat	gaaaatgaaa	ttgggtgaaaa	cattactgct	tctcctttgt	gtgaaactct	120
tctgttatgc	agtgattgg	gctcctcaaa	cttgctctgc	taacaatgag	gataaatgcg	180
gcgattcaga	tgaatggaaa	ggggagtttt	tccctgacat	tcccaaaatt	aaatatgagg	240
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<223> Clone ID: 700956636H1

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gcggtggccg	cgtccgacgc	cgacgacatc	ctgatccgtc	aggtggtgcc	agatgttggc	120
gaagcgacag	aggaggacaa	cctgctgaac	gccgagcacc	acttcgcgac	cttcaaggcc	180
aagttcgcca	agacctacgc	caccaaggag	gagcacgatc	atcgcttcag	cgtcttcaag	240
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<223> Clone ID: 700956637H1

cccagtcata	aatgttcaca	tatggtttga	cagacaactg	aagaacacat	atgatcacct	60
tctcttttagc	agaagtcccc	ttctgagtgt	atatgctgac	atgtcagtaa	cttgcaagga	120
atattatagc	ccaaccagct	caatgttaga	gttggttttt	gcaccagccg	aagaatggat	180
ttcacgtagt	gacgatgata	ttattcaagc	cacgatgact	gagcttgcca	aactctttcc	240
tgatgaaatt	tctgcagacc	aaagcaa				267

<210> 19591  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956639H1

<400> 19591

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gtttgctgat gagaacttca agttaagca tactggacca ggacttctat caatggcaaa 180  
tgctggctct aataccaatg gttcacaatt tttcattaca actgtgacaa ctagctgggt 240  
ggacggaagg catgttggtt ttggtg 266

<210> 19592  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956640H1

<400> 19592

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aagaggctcc caaagttgca ggtgcatggc caatacttgg tcacctacca ctattgagtg 180  
gttcagagac acctgatagg gttttgggtg ctttggctga taagtatgga cccatattca 240  
ccatcaacta tgggtgtcaaa aa 262

<210> 19593  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956641H1

<400> 19593

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tggtagaaaa accggagaaa tcaagcctga tgtaaaagga gctgagcctg agaaagggtc 120



agaaagggttc tggaaactgc tgagtaagcc tttggaaggc taccaaggag gtaacaatga 180  
 agtgattgag cgtagaaacc cattagcctt agctcatttc gccaatcacc ctccaaaagg 240  
 ggtgcaacca aatgtcatga ttg 264

<210> 19594  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956644H1

<400> 19594

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 gttccactt gggcttttga tcacatcaaa tacatcagtg gaggttctga gattcaactt 180  
 catcttgaca agtacactgg tactggcttc cagtccatag ggtcatactt gtttggtcac 240  
 ttcagcatga acat 254

<210> 19595  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700956648H1

<400> 19595

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 gtaccaccat gtcggacgat gaccgggagg agaaggagtt ggatctctct tctgcagaag 180  
 ttgtaaccaa atacaaaacc gcggctgcga tcgttaacaa ggccttgaag ctagttattt 240  
 cagaatgtaa accagaggcg aagattgtgg atatttgtg 279

<210> 19596  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956651H1

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 atgggttagtt ttggacacat aattcccttg gcagaagctg aaattccatg tggcaggggtg 180  
 caaatcacag tggctccatg cataggggtac ctaaggggtc ctgggtggagg tgtccctgca 240  
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 <213> Glycine max

<223> Clone ID: 700956654H1

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<210> 19598  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956655H1

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 atacttctac ttccgagagta aatctagaga gagctccaga gaacctctga tagtatcata 180  
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 tggttgctgg ctgagactgg a 261

<210> 19599  
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 <213> Glycine max

<223> Clone ID: 700956656H1

09312-0000

<210>	19600
<211>	261
<212>	DNA
<213>	Glycine max

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catgcaaatac tttgtcaaga ctttgaccgg gaagaccatc acccttgagg tggaatcctc		120
ggacaccatt gataatgtta aggccaagat ccaggacaaa gagggcatcc cccagatca		180
gcagaggctg atttttgccg gtaaacaact tgaggatgga agaacccttg ctgattacaa		240
cattcagaag gaatccaccc t		261

<210>	19601
<211>	256
<212>	DNA
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<400>	19601	
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actcaaccac	ctcttccagt	tgcagacttg agttccttat gatgggaacc gcacgtatcc 120
caactactaa	tgttgttctc	aaacctcaaa acttatctgg gaatttctct accctctgtg 180
ataactttcg	gtgtctgagg	ttcctcactc cgaaaccgcc ccacctgcga tctctcact 240
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<210> 19602  
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 <213> Glycine max

<223> Clone ID: 700956663H1

<400> 19602

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 tgtttttaaac attgcttggt tagttgggtc cttttgatgt catgggtggca ttgtgatgca 180  
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 tatggcaggg catcatc 257

<210> 19603  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956665H1

<400> 19603

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 ttgaaattgg ggtgcatgca agcgctgcaa agtgggtcaa cctctttgca acgcaactcc 120  
 atcatgttca aaaccttacc gaaagagtgc atgaaaccaa gctacatcat ggtgatgact 180  
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 atcacgagag taacgaatcc gttgatg 267

<210> 19604  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956666H1

<400> 19604

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 tatggcgaga ttgtctcggc gcttgtaag gatgttcgag cgctgaattc ttcagcaata 180

ggaacaaatt catcttattt ctatgggaag caggttgga gggcggcgag gttggtgttg 240  
atagcgggaag aagtgtcgta tccta 265

<210> 19605  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956669H1  
  
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caaggggaaa tgacatgtgg ccaggttgtg agcaacctga ccccatgcat ctcttatgtg 180  
gtgtatggtg gaaccaatgt tcctgaacag tgctgcaatg ggataagaaa tctctatggc 240  
atggctcaga ccaaaccaga c 261

<210> 19606  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956671H1  
  
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aagtcctcc tcgccaagca tgacgtcttc atcgctgatg gcgacctcaa cgacgccaag 180  
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gcccgggttc gctacgcca 259

<210> 19607  
<211> 232  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956672H1  
  
<400> 19607

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atggcaccaa gcaaggagga agaacgcaaa ttgaaggaac ataaagatga ttctccaacc 120  
aaacttggtc ctgctgagaa atttttgaag gcagtgttg atgtacctt cgcatttaaa 180  
agggtggaag caatgcttta catagccaat tttactccg aagtggagta tc 232

<210> 19608  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956674H1

<400> 19608

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aactttcaag atgcaaactt ttgttaagac actcactggg aagacaatca cccttgaggt 120  
ggagagttca gataccatag ataatgtaaa gtccaagatt caagacaagg aagggatccc 180  
accagaccag caacgtctca tttttgctgg caagcagctt gaggatggac gtacacttgc 240  
tgattacaac attc 254

<210> 19609  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956677H1

<400> 19609

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ccaggctgag aatcaccaaa ggaacagcga ggggcctggc ctatctccac gaatgcagtc 180  
caaaaaaatt cgtccatggc gatatcaagc cctccaacat tcttcttgac aacgacttcc 240  
aaacctacat at 252

<210> 19610  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956632H1

<400> 19610

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 gtaaatgcc actaattcaa catcatctgt atgttggcat gccatcccat gtaccttttt 180  
 ctgagaaaca gcaaacagaa gcttgattct ttggtttgaa tgtttctcgt atgtgctagc 240  
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<210> 19611

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700956603H1

<400> 19611

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 gtccaagcca ctgctaggca tagcggaaga ggaagggtcaa agcaatgtca ctttgttggt 180  
 ttcttctca gccaccatgg aaagtgtgtg cctgaatagc tcaaaactga aagagcgcaa 240  
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<210> 19612

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700956605H1

<400> 19612

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 ggcatatctg ctggggattt ttgttgaatg gagaatcctt gcaattatag gaattttacc 180  
 ctgtacaata ttgatactg gcctatcttt cattcccag tcccctagat ggctggcaaa 240  
 aatgggaatg acagaagaat ttgaaacttc c 271

<210> 19613  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956606H1

<400> 19613

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 gtgtaaaggc cattagaagc cttttagaaa ttttcaaatt gagttgggtg atagtgttga 180  
 aggggggtgaa atttggagcc cagtttggtta cttcatttga aaggatcatag tttgaaccct 240  
 ctttttctgg agatttacct gggaaaaag 268

<210> 19614  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956607H1

<400> 19614

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 ggaattattc tgcaactggc tcttacctca atggcggaat gcactcgctt ggggttggtg 180  
 ttgtgtcacc tgtatctcca gttactgtgc atgctccagc agagaaagga gtgcgtggat 240  
 ttctagtgga ttttctgatg ggtggagt 268

<210> 19615  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956608H1

<400> 19615

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ataaacatat ctcttcagaa ccactccct cacttctgga atctagccat aaaaatcata 180  
aatttccttc tttcacccga atctctatac cgtatccatc tgaatccaac aaattttcac 240  
acaacatacg 250

<210> 19616  
<211> 268  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956609H1  
<400> 19616

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tgtttcttca cttcctcttt ccctgagaag gcaagcatca atccttgat ctatgaagca 180  
agatttttga gttgcaaact cttctctgag gagctgggac atgtcacatt acatgtccct 240  
ttgcagcact tggatatggca ttcagtgt 268

<210> 19617  
<211> 246  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956610H1  
<400> 19617

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gcaagcatag caaaacatgc aattaggaga actctttcta aggggtggatc cacacacctt 180  
gtgtcaaagg caagggtcct tccatcgata ccatcatcac atagcagaag cttccacaca 240  
acatac 246

<210> 19618  
<211> 278  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956611H1

095311-032200

<400> 19618  
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ggggatgagg aggacggcgg agctgctttc gttctccaat ccaaaggatga atggtggcat 120  
gcgggggtttc acttaacgac cgcaattggt ggacccacga tactaacct gccatacgcg 180  
ttcaggggat tgaggtgggg acttggtttt atgtgcttga cggatgatggg gatcgtcacc 240  
ttctactctt acttctcat gtccaaagt ctcgatca 278

<210> 19619  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956612H1

<400> 19619  
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tggtccatca agggggaaca gtgccaatga tgcattccat gggccaaggg gagaacattg 180  
ttgggtggtt tataatgtgt ccaatgatgt gatggaagaa tctgctgtag acctatgaaa 240  
ttctaagctt tttggcttat gca 263

<210> 19620  
<211> 261  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956613H1

<400> 19620  
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cccagttcgc gttctcgtca ctggagccgc agggcaaatt ggatattgctc ttgtccctat 120  
gattgctagg ggagtgatgc tgggtcctga ccagcccgtg atcctccaca tgcttgacat 180  
tcctccagca gtagagttct agantgggt taaaatggaa ttggtggatg ctgcattccc 240  
tcttcttaaa ggtgttgttg c 261

<210> 19621  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956614H1  
 <400> 19621  
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 aatcaatcag taatcagagc catcaacgac tgcaatggtc tgcgagaagt gtgagaagaa 180  
 attatcgaag gtgatagtac cagacaagtg gaaagaaggg gccagcaata ctaccgaggg 240  
 tgggtggccgc aagatcaacg aga 263

<210> 19622  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956615H1  
 <400> 19622  
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 ataatgacat tggaggatgt gatatacaga aacaggaaat ccgtgaggct gtggagctac 180  
 cccttacaca tcatgaacta tacaacaaa ttggtattga tcttccccgt ggtgtttttac 240  
 tgtatggacc ccctggcact ggca 264

<210> 19623  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700956616H1  
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<400> 19626  
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 gcttctgggtg tcgccggagg aagaggctgc aaaagcatcg tggaggctta acgtcaaaga 120  
 gtttcgtttg ccaagccaaa cgaatgatca tcaaaatcaa cgatccttca ctttccatgg 180  
 ccttcttcgt aaaccagga agcaacgcaa agtggcagaa tattacaaga atcaggagag 240  
 actccttgaa ggatttaatg agatggag 268

<210> 19627  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956621H1

<400> 19627  
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 aatgattttc aagaaaaggc cacaacccaa gtcttgattg ttttggacaa gcatgagaac 120  
 cgcgatactt atgtggtagc tttccgagga acggaaccct ttgatgcaga tgcattggtgc 180  
 actgaccttg acatctcatg gtacgggatt cccggcattg gagaaatgca tggaggcttc 240  
 atgatagcct tagggctaca gaaaaatgt 269

<210> 19628  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956622H1

<400> 19628  
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 gaggaggctt tgcgcctccc cctccaatgg gtgcattggg gatgcctcca atgcctcctt 120  
 ttggaatgcc acccatgggc agctactgac atataagtgc tcggcaatga actcaagtgt 180  
 ataccgagag cagcgtagca acttgggagt tttcaaacat tttcttctgg ggtttttaatg 240  
 cagtattctt tccttgcttc 260

<210> 19629  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956623H1

<400> 19629

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 tgggcctttg atcacatcaa atacctcaat ggtggttctg agattcagct tcattcttgat 180  
 aaatacacag gtactggcct ccaatcaaaa gggtcctact tgtttggtca cttcagcatg 240  
 tacataaaat tggttgctgg tgat 264

<210> 19630  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956624H1

<400> 19630

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 tcgtttgaag ggcttcgacc ttccgctggt cagtttgctt ccacgggcag aattagaatt 180  
 ggcaatctct cccaaagggt cttccggggc ttggttggtca aagccgccac cgttgttgcc 240  
 cccaaataca ctgcgataaa gcctc 265

<210> 19631  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956626H1

<400> 19631

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 tgatgctggt cttgtccagg ttggacaggg atgcaaattc ttgcaagcac ttcaattggt 180



<210> 19635  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956631H1  
  
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 cgcgctgaca cttctttgcc ggagagtctc accagaatcc ggtgccggaa acctctctcc 180  
 gtccgatgct ccggcgattc cacttccggc tctgtgggtt cggagttcga tccgaagggtg 240  
 tttcggaaga accttactcg gag 263

<210> 19636  
 <211> 133  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956554H1  
  
 <400> 19636  
  
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 cgcggtggaag gttccggaga caagtagatt gtcctggccc acggcttcgg cacggaccaa 120  
 tccgagtggc agc 133

<210> 19637  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956556H1  
  
 <400> 19637  
  
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 aaaaatagct ccagatttgt cagaagaaga ccttgaagat attgctgcag tcgccttggc 120  
 tcttcacttg gatggactga ttatatcga cacacccatt tcaagaccag atcctaccag 180  
 ttggaatcca ttggcttcag aaactgggtg cttgagtcgg aagcctctct tcaatctcgc 240  
 caccaacatc ttgca 255



[illegible]

<400> 19638

<210>	19639
<211>	248
<212>	DNA
<213>	Glycine max

<400> 19639

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<211>	76
<212>	DNA
<213>	Glycine max

<400> 19640

8381

<210> 19641  
<211> 275  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956564H1

<400> 19641

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atcatgagat caaagtacct tgtgagtaaa ttaacatgtg gacactacga atgaacacgg 120  
tactttgctc tcatgatact gtgtcatatt gactaatcaa ttttctttgc ccttgcttct 180  
taagcaagtg taactgatgg aaacaaaagt ctctgtattg tgtaaaaccg tcgttgtagc 240  
ttcgttcccc caccoccttc tatgcctttg tccca 275

<210> 19642  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956565H1

<400> 19642

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ccctcatcaa agccaagatc ttggctcgtga tctgcggtga gcagaggatc ttctacaccg 120  
aaaagatata ttccatactc cggagtcaca atgagaggag tggcatatgt cgttctcgga 180  
cacgccgtga agaacgctgg tgtaactgtc cctgcgtagc tcaacga 227

<210> 19643  
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<223> Clone ID: 700956566H1

<400> 19643

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tttttccaag tatatcagat atttgctggg gattaagtga aaaagactca atggtaaaac 120  
caaaagtgtc tactcaacca aaaatatgct acaggcctat tcgaccttct gacctggaca 180

ttttagagca tatccatggc agattatttc ccatca

216

<210> 19644  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956567H1

<400> 19644

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aaggggattc ctgacagacc tgaagttgtg cttatgaaat taagagagat caaatgcaag 180  
atagatatgg tgataagtgt gcaggatagg ttttaagtcta cagtatcgtc aaaggctgtt 240  
gtgcggat 248

<210> 19645  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956568H1

<400> 19645

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gattcggggc acaacatttg taatgcagaa ttaggtcatt aacattgtaa atcttctggc 120  
gatgattgga atatcaatgt gaagacgcta tatgacttct gctatgacaa tatcattgtg 180  
gttgtcaagg tatttttgaa gaaatatcgt ggatttacia agaattctggt taggcttcta 240  
caattcttta a 251

<210> 19646  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956569H1

<400> 19646

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 ggaaactgcc tattatagga aatttacacc agcttggttac atcgacacca caccgaaaat 180  
 taagagacct ggccaaaata tacggacca tgatgcaatt gcaaattggg gagatcttca 240  
 caatcgttgt ttcc 254

<210> 19647  
 <211> 81  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956571H1  
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 gcaacatggt ggaccacaca a 81

<210> 19648  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956572H1  
 <400> 19648

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 gagatgcttc aattccct 78

<210> 19649  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956573H1  
 <400> 19649

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 aagattgctg aaactgcaaa acgggttggg acaattgtga ttgctgatga agtttatggc 180  
 catcttgcat ttgcgggcac gacttttgtg ccaatgggag tttttggctc tattgttccct 240

gttctgactc ttgg

254

<210> 19650  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956574H1

<400> 19650

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tggtctccga tgaggctcgc aaggagttct ccaatctccg tcgcgctttc gacgatgtta 180  
actcccaaat ccaaaccaag tttagccagg aacctgagcc cattgattgg gattactata 240  
g 241

<210> 19651  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956575H1

<400> 19651

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tcgagttgaa cacaggcgtc aagatacctt ccgttggttt gggaacgtgg ctcgctgaac 180  
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gtgcgc 246

<210> 19652  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956578H1

<400> 19652

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tagccatggc tgccttgcctc agaattttctc ttttgctcct tttctttctc tttggattct 120  
 ccgcagctaa ggaactattg gttggaggca aaatagatgc ttggttagatt ccattctctg 180  
 aatcagattc cctcaatcaa tgggctgaaa ggtctcgttt cagagtcgac gatcatcttg 240  
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<210> 19653  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956579H1  
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 gtaacattgg gcactcagag aagcaaacc agttgtacca tcgttgcat ctttctagca 120  
 ttttgttgta ttgtatcttc ttcgaaagca cagcttgaga gtctccaaca tgcgcccata 180  
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<210> 19654  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956581H1  
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 ggtggtgtga agaagcccca ccgttatcgt cctgggtaccg ttgctcttcg tgagattagg 180  
 aaataccaga agagtaccga gcttttgatc cggaagctcc cttccagag gctgggtcgt 240  
 gaaattgct 249

<210> 19655  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956582H1

043130

<210> 19656

<212> . DNA

<213> Gly

1000

<223> Clone ID: 700956583H1

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gcttgacacc	tcaggccaga	agctgagaac	aggtgtcaag	tactacattc	tgccagtgtt	180
cagaggcaaa	ggtggaggcc	taacagtttc	aagcagtggc	aacaacacat	gccccctctt	240
tgtggtgc						248

<210> 19657

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700956585H1

<400> 19657

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gcagtttgaa ccgtattatc tgtgaattac cgtaacagcc cttcatcaca ggaggaatca	180
actggctggg ctaacaatca ctctatgcag ttttatgtta agattgagat tattcgtcca	240
aaaat	245

<210> 19658  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956586H1  
  
 <400> 19658  
  
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 catgattggt tcgggtcttg atcatagaat ggttgatctt catgattctg aggattggtc 180  
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 ctcaactg 248

<210> 19659  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956588H1  
  
 <400> 19659  
  
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 agggaagatt ggatggtgga aatggaatcg gcagctgaaa accctaatta cccggcggtg 120  
 gactacaagc gaccttccat cttgtcattt cctcggaggc ccgccctcag agttacatcc 180  
 gagttcgata gtgaaagcgc agtcttcttc cataagattt cctgcaagtt gttggacagc 240  
 cttgccaaagt tca 253

<210> 19660  
 <211> 71  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956553H1  
  
 <400> 19660  
  
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 acacaacata c 71



<210> 19661  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956589H1

<400> 19661

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 aaaatgggta cgcttcagtc ttggagaaga gcctacggtg ccatcaagga caccaccaa 120  
 gtgggtctgg cccatgtcaa tagcgattac gcggatttgg acgttgccat tgtcaaagcc 180  
 acgaaccacg tcgagtgtcc ccccaaagag aggcacctca gaaagattct gtttgccacg 240  
 tctgctgtg 249

<210> 19662  
 <211> 235  
 <212> DNA  
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<223> Clone ID: 700956590H1

<400> 19662

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 ggccatagga tcaactgatca gcaccactat tctctacccc cttgacacct gcaagaccaa 180  
 gtaccaggct gaggcacgtt cctcaggctg aacaaaatac aggaatctca ctgat 235

<210> 19663  
 <211> 77  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956592H1

<400> 19663

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 atcactcatg ctgtgtc 77

<210> 19664  
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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956593H1  
 <400> 19664  
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 ctctctgaac cctaattt 78

<210> 19665  
 <211> 52  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956594H1  
 <400> 19665  
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<210> 19666  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956518H1  
 <400> 19666  
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 gttccgcgac catgtcttat gagacatgcc cttccgtaaa gaacttcctt cttttggatt 120  
 ctgatgggaa acgtgtcgca gtcaaatact tctctgaaga ctgggcaacg aatagtgcc 180  
 aggaaaattt tgagaaagtt gtcttcaaca agactcagaa gaccaatgcc cgcacagaag 240  
 cggaatatgc 250

<210> 19667  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956519H1  
 <400> 19667  
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gttcttctgc tgggtgctg tccagagtat atgtgtctgg tgtacgagta catggccaat 120  
 ggaagcttgg acgactgtct gttcccaaga ggaaatcac ggccacctct cccatggcag 180  
 ctgaggttcc aaatcgctgc agagatagcc acaggtctcc ttttcttca tcagactaaa 240  
 ccggagccac tgggtccac 258

<210> 19668  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956520H1  
 <400> 19668

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 cgatgacgat aaaaactgtt aaagtcagta acgtttcctt gggagcaact gagcaagaca 120  
 ttaaggagtt cttttcattt tctggtgata ttgcatatgt tgaactacgg agccatgatg 180  
 aacgatctca aatagcttat attaccttca aggattcaca gggagctgag actgcactac 240  
 tgctttcagg ggcaac 256

<210> 19669  
 <211> 222  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956521H1  
 <400> 19669

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 atgagtacaa aggtagaaca tcaaactt ttgtgcacac cctatttttt tctaaattag 120  
 gaagctttca tggcaaattg ttggaatatg gtggtggcta ctggtgtaat gagtaaactg 180  
 gaggtttgag catgcctaga gttaccattt tccacacaac at 222

<210> 19670  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956523H1

[illegible]

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gattgggggag acccttcatt tgggaggggca caagaaggag gaggagcata aggggtgagca   120
ccatgctgga gaatacaaag gggagcacca tggatgaacac cgttttgagt tcaaaggcta   180
tcattatgggt tcccacagag ctggaaagta ccattgtgag                               220
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ggctgctaaa	atacccatca	gcacttacat cttttgatca aatcacaaac tatgcaaaaag 120
ggaaaaagaat	tgcgttgttt	atggattatg atggaactct ttcaccgatt gtggatacat 180
cctgactgtg	ctttcatgtc	cgacaatatg cgtgctgctg ttaagaagggt ggcagaatat 240
tttccaacgg	caataattag	t 261

<400> 19673



<210> 19676  
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 <223> unsure at all n locations  
 <223> Clone ID: 700956531H1  
  
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tcgcacgcgn gtacgtgcgc tcggaacgcc gcgcggggtc acgactcgaa catcacgac 60  
 ggctcacggc tcagtcgacg tgaccactcg ctacgcgcta ggacagggcg ggca 114

<210> 19677  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956532H1  
  
 <400> 19677

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 gtagtttccc atttcaccct tatctctctc tctatccata gtacctttcc tcttttctc 120  
 atccctcgct ctctgtaata aataataatt attaccaact cttccgccat tggatctgct 180  
 cttccttccc cttctggcaa aaagggtcag tctgctactg ggattacatt tttccttata 240  
 attttgagg cgtgctgctg cttgg 265

<210> 19678  
 <211> 184  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956533H1  
  
 <400> 19678

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 gcgacaagcc catgatcgtg gtaaattaca aaggcgagga gaagagattc tccgtcgaag 120  
 agatatctgc catggtgttg ggcacgatgt ggaaagtcgc aaaggcgatt ctatgggacg 180  
 ccgt 184

<210> 19679

<211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956534H1

<400> 19679

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 aagatgggta aggaaaaggt tcacatcagt attgtgggtca ttggccatgt cgactctggg 120  
 aaatccacta ccactgggtca cctgatttac aagcttggag gcattgacaa gcgtgttatt 180  
 gagaggtttg agaaggaagc tgctgagatg aacaagaggt ctttcaagta tgcttgggtg 240  
 ctggacaaac tta 253

<210> 19680  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956535H1

<400> 19680

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 agatacttgt tccttaatta ttgttaacct gaattgggtt cattcaatct cttcctaata 120  
 tcatgtagtt caggttgtct tttcaaggtg tgaattacca ttctcagttg ataattctga 180  
 gaatttaaag gtggtgatag gcatgaaga gacagctgct tcatgcgaag atttcaagcc 240  
 tatgcttccc aatc 254

<210> 19681  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956540H1

<400> 19681

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 gcctaacgat gataaaatca caccaacaga agaaaaactt cacgtacgat tggataatcc 120  
 gaacacgtgt tgacgggtac tggaacgcac cgttgggttc cgtaaaacttc gttccgggaa 180







<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956547H1  
 <400> 19687  
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 agatcataat ttcggtcgct aagcaaatga tcccataatc ataaccgat ttcaatctca 120  
 atc 123

<210> 19688  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956548H1  
 <400> 19688  
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 ccggcgatcc cttatacctc cgctctccgt tcgagtcctt tccgattcga ttcggtccca 120  
 gccttctgcg accacgaatc ccgtctacgt ttacatgttc atagctatgc tgcttgagga 180  
 ttctggtgta ggcaagtcac gtcttctcct gaggtttgct gatgattcat accttgacag 240  
 ctatatcagt accattggag tggac 265

<210> 19689  
 <211> 208  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956549H1  
 <400> 19689  
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 tgtttgtgca gtgatttttag atttcttcaa cgttttcaaa agctagtcca attcaacaat 180  
 ctgtttttat tttagatttc ttcaacgt 208

<210> 19690  
 <211> 241

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956550H1  
 <400> 19690  
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 atctccccaa gatgtcgagc gccgatcccc agcacagaga agaggaggag gcacccgccg 120  
 ttggcgacga cgaggacacc ggagctcacg tcgctccaat cgtcaagctc gatgaggttg 180  
 ctgtcaccac cggcgaggag gacgacgatg caatcctgga tctcaaactg acgctttacc 240  
 g 241

<210> 19691  
 <211> 77  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956551H1  
 <400> 19691  
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 gcgcaatttt ccacaca 77

<210> 19692  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956552H1  
 <400> 19692  
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 tcgtaatgaa gttttaagtg ttgattttca cccatcagat atatatcgta ttgctagttg 120  
 tggcatggat aatactgtaa aaatatgggc tatgaaggag ttctggacat atgtagaaaag 180  
 atcatttaca tggactgata ttccctctaa gtttcccaca aaatatgttc agtttcctgt 240  
 tatacaatgc ttcag 255

<210> 19693  
 <211> 259

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956516H1  
  
 <400> 19693  
  
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 tttctgacaa attcaaccaa tctgaattaa attcacattc acatcacgct gcattcttta 120  
 tttctccaaa ttttcaattt taataatagc taactaaatg accagaagat gagtttagga 180  
 catattttgt atcattaaat tccaacatta tattactttt cttacttat ctaatagtaa 240  
 ttgtgtttca acaacttca 259

<210> 19694  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956478H1  
  
 <400> 19694  
  
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 tgtggccctc aaacctgccc ctttcaactgt tgagaagtcc tcagttagag gccttcctc 120  
 cctctcaagg aactcctctt cattcagagt tgtggccagt ggtggcaaga agatcaagac 180  
 tgacaagcct tatggaatta atggtggcat ggctttgagg gaaggagttg atgcatctgg 240  
 caggaaagga a 251

<210> 19695  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956480H1  
  
 <400> 19695  
  
 ccagtagccg agattccgtg agttgcaaaa atgaagacga ttctttccac cgagaccatg 60  
 aacatcccgg acggcgtgag catcaaagtt catgccaaagg tcatcgaagt tgagggccccc 120  
 cgcggaataat tgggtgcgaga cttcaagcat ttgaatctcg attttcagct cattactgac 180  
 gaaaacggta aaagaaagct gaaaatcgac gcgtggtttg gttctcggaa aacatccgcc 240

gccattcgca ccgcctt

257

<210> 19696  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956482H1

<400> 19696

gttggaagc tcacaggctt ggactcgat gtcgtgtcag ggattacaca cattctccag 60  
tccttggact tggaccttgc tctcaagccc gcctctcgtc gccttcttga cgttgatgat 120  
gatggcttcc ccacttgggt ctcctctgct gatcgcaagc tcttggccaa cgatcctggt 180  
ttgccccatg ctactgttgg caaggatggg agtgggtcaat ttcatactgt tttggacgct 240  
attaactcct accccaagca tca 263

<210> 19697  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956483H1

<400> 19697

tcccaattta tgtaggtccc atccatcgag tgtggatgcc agataatatt taaggcgcgt 60  
ttatataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa actaaaaaaaa 120  
caaaaaaag agggggggccc cccctttttt ggctctcccc ccccggtttt ttttttcggg 180  
gggttttttg gggggggcca ttttttcccc taggggggtt tttttatgtc tgggggtctt 240  
cctgggcatt attttttt 258

<210> 19698  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956484H1

<400> 19698

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ttcgttgcta caatttttgt agcatggcaa tgccatgcgt acgatatggt cctctctcga 120  
atgaacactg gctatgggtgc ccgactccg gaggtgaaat gcgcaagttg gaggcttgct 180  
gtggaagcac acaacatctt tggttttgag accattcctg aagagtgcgt tgaagcaaca 240  
aaggaatata tccatggcga 260

<210> 19699  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956485H1

<400> 19699

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cctgcatecc ccagtgtttg gatgccttat gcttaaataag taatggcctg caggctgtga 120  
aagatagaaa ctctctgagg tggttttgta aagtgtttac ttctagaaca tatttgctg 180  
ctcttgagg ggacacacct gcattcttct ctatgggact ggatgaatta atgcgccatg 240  
cttctcatt gcgtggccc 259

<210> 19700  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956486H1

<400> 19700

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agcagaatct tggttcatgg gcaacacct tggtcagga cccaagaga tctctgaaa 180  
tggcagatcc acttcttaat aagaacttcc cagaaaaaga tctgtctcaa gttgttgcaa 240  
tagcatccat gtgctta 257

<210> 19701  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956489H1

<400> 19701

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gctccagttg atgttgacaa ttctcccagc ttgttgcca tcaatgtcag tcctattgag 120  
tatgggcatg ttttgctgat tccgcgcatt ttcgagtgtt tgcctcaaag gattgaccgt 180  
gagagcttcc tccttgcaact tcacatggca gtggaagctg ataatccata ttttcgattg 240  
ggttaca 247

<210> 19702

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700956490H1

<400> 19702

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agtcagtgat aacaatctgt tcaaagaaaa atgcaaaatc aaggggtggtc actctctgct 180  
ctgcacctgt gcaagagcag gaggttcgtg atattacttt gagagagaga agtgtttcgg 240  
ttgtcctatt 250

<210> 19703

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700956491H1

<400> 19703

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cagcagaagc tctacgagct tcagcagaag atcttttggc agaagcaaga ggtgaaggat 120  
ctaaaagaaa gatctttatg gagcagaagc ttcgacaatg ttgttgact cctcgtaagg 180  
ttcagcttca ccgttttagc aaggattaag gttgtcttcg gaatcggtea ccacatgcct 240  
tgtctgtct 249

<210> 19704  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956493H1

<400> 19704

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agagtgggat tttcagtccc tcacaggcac ttcttgtaga gccagtgaag aggcagatga 120  
tggggaagag caagggaatg agaattgcat gccaaaccac cagcattcct gctgatagag 180  
tcctgacat gggcaaaaga cagctcatga atctgcttct tcttggtgcc atttcactcc 240  
cctctgctgg a 251

<210> 19705  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956494H1

<400> 19705

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ctggcctcaa ggcaagcgca ggcaaagtga gtgccgccgc agttaagtc tcagctcccc 120  
aagccacaag gttctgcggc atcaaggctt cctcaaaga cgttgagtc gctgttggtg 180  
ccactgctgc gagcgcagtt ctagctagca acgccatggc cattgaagtg ttactgggca 240  
ctgatgacgg gtc 253

<210> 19706  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956495H1

<400> 19706

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tttttggtat ggttttggtg gttggggttg aggcaaaggc aagggtttc tttgtatttg 120



gagactcact ggttgacagt ggtaacaaca attacttagc gaccactgca cgggctgatt 180  
 cccctcctta tggcactcac tatccaactc gtagaccaac cggtcgtttc tccaatggcc 240  
 tcaacattcc cgatc 255

<210> 19707  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956496H1

<400> 19707

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 tcataatcca cgcaacaacg ttcttctgcc acttcctca cggctctaac gctgctacat 120  
 tcgagccata agtgacgcaa ctgtggaacc tgaaatttct aagaaagaac aaaacgagtc 180  
 acctaaagat tggaagatta aaatgctcta tgacggagat tgccccctct gcatgcgcga 240  
 ggtgaatatg ctaagaga 258

<210> 19708  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956501H1

<400> 19708

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 agggcttcac aaccccaa atgtgatgtac ccatcaacat gaccatgatg gctcaaccct 120  
 ccaagtgttc catgtgttca gcccatgttc ccatttagg ccctcaaagc caatgtcatg 180  
 ggaagagagt gtcctaaagc tacaagccaa ggaccaagcc acgatgcagt acctttctag 240  
 cttggtggct aggaggt 257

<210> 19709  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956502H1



<210> 19712  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956506H1

<400> 19712

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aatccaaaaa tctctcgctg ttcaagaaag aagcaccaca aattaattct cgtttcccat 120  
tcccatccct atgccaacta ttttgcatag gattttcctt ctttacaacc tcgtacatac 180  
attcctcctc tgtgtggtcc ccaagatggt gcgtcgctgc ctcatgcctt cttggtacca 240  
aat 243

<210> 19713  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956508H1

<400> 19713

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tttgggagct actggaagcc catttgtgtg cagggttcat attgccctca agttgaaggg 120  
agttcaatac aaatatgtcg aagaaaattt gaggaacaag agtgaactgc ttctcaaatac 180  
caaccagtt cacaagacgg ttccagtgtg tattcacaat gagaagccca tagcagagtc 240  
tcttgtgaca gttgaatata t 261

<210> 19714  
<211> 180  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956509H1

<400> 19714

gtaaactggtt acaattctta ccaaaaagaa gcatgttttt ccctatcatg ctttaagtgt 60  
ttaataatcc tatcatgcta agtgtttaata aatgtaaaga tttttacatt gttgactaat 120  
aagaaattat cctacatatg actcttaaaa taattattac aaaagtcaat aattttcaat 180

<210> 19715  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956510H1

<400> 19715

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acgacgccgt tcttggtcca ccccctaact tctccatggt cgaggactgc attttccgat 120  
ccggcctccc caacccttcc aatttcccct tctccaaaac cctaaacctt cgttccatca 180  
tatacctgtg ccctgagcct tatccggaag aaaatctgga cttccttcgt tcgcagaata 240  
ttcgcctttt tcaatttgga at 262

<210> 19716  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956511H1

<400> 19716

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gagcagatgc aagatccatc ttcaaaccct aattccaatc caaatcccaa tcctcacaac 120  
gccaatgccg catcccagtt accgcgtccg ccgcaggaca cggcgtccac cgccgtcgcc 180  
ggcgccttct cgtcctctct attcgcgcgc tccggcggac ctcaccaccg gcgagcccac 240  
tcggagatga gtttccggct g 261

<210> 19717  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956512H1

<400> 19717

gtaaaattga gccacttgat agtagaagca agggtagag gaagactcac tatggtaagg 60  
gtggaagtga tgggctgagg aagagatttt cggtgagact gcggccaagg ttacggttat 120

tggctatgag aatgaaaagg gcttccatta ggtccatttt gaatgaagtg gggatcttta 180  
 ttcgtaagaa cattagagca gtgacatttt ctgcttcaat ttctaccgtg ttctg 235

<210> 19718  
 <211> 60  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956513H1

<400> 19718

gttactccgt ctctcgtgga ttcggatctc gagtctgac tcacgcttca gatctcgggtg 60

<210> 19719  
 <211> 72  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956515H1

<400> 19719

ggccccgtctt ctatttcaac ttctcgcgcg atagattgcg ctgttctect tcgctcttcc 60

ctttccgatt cc 72

<210> 19720  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956475H1

<400> 19720

gatggatcag tttttgtgga ggggtgttgcc tttgcttaca atccttgttt cctttggagt 60

gttcttctac ttgcaggatt cttacacagc acagtatatc tcctctcata aagttaccgc 120

gggataagtg cagccttctt ccccatcgcc acttctggat atccagcaaa cgtattgtga 180

ccccacaagg gatcatttct ggttcgctgg agataaatga tgggaaaata atatctgttc 240

gttgagggac a 251

<210> 19721  
 <211> 251

002250 "E.F.E.560"

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956441H1  
  
 <400> 19721  
  
 cccatccaat cctcacatgc atgctgtctc tgccaaagtg ccaagtcaca taccatttcc 60  
 attgttacca tactgtcttt ccacactaca tacgacccca gctcaatcag ccacacttaa 120  
 aaggaaccgc tcactcacca aggatgaaat tgatgcttac tggaaatcaa agaagaagat 180  
 agaggagagc accttagagc tatttccacc ttgtcagaga ctattcaggc tagcaaaagc 240  
 acagaacctg a 251  
  
 <210> 19722  
 <211> 108  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956442H1  
  
 <400> 19722  
  
 atttatctat cttggttctc tctctcaatc taacgatttc gccattcgac agcgatcttc 60  
 tccgtctcca ctcacgcgtc atcaacgcta cccatttgcg ctaaacct 108  
  
 <210> 19723  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956443H1  
  
 <400> 19723  
  
 gggttagaga gaagaaaacg ttggtcggag aacattaccg gaaagagaat ctttggtgat 60  
 tccagaaatg tctagcatcg cttcctcaca ccaaagcttc ctcaccaacg cccttattcc 120  
 actaacgcac aacccaaagt tcaggaccac tgttactttc ctttcttcac tcaaaaactgt 180  
 ctcttgcaat tccccacaac atgaacatcg ccaatctcca aggaagaaga atgagaacaa 240  
 gttagcaaag ttg 253  
  
 <210> 19724  
 <211> 256

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956444H1  
 <400> 19724

tgttggtggt gttgtttctg ttccttctct tgttccttaa actctttggt tcaaacatcc 60  
 ttagaaaagg taaaaattta aaaaaaagaa aagaaaatgg tggctgtggt ttccaagaa 120  
 aatggtgcgg cattggtttc tcgtaccggt agggagttgc aacgttatag aaaaggtcgt 180  
 cgccaagttg tgggatgcat accgatacag actttaagat tgtggacgag aagtactttc 240  
 ccttgagact gttggt 256

<210> 19725  
 <211> 147  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956445H1  
 <400> 19725

taaaccggat ttcattgctc ccggtgtcaa catcctcgcc gcctggaccc aagctgtcgg 60  
 cccgaccggt ttggactccg ataccaggag aaccgagttc aacatcttgt ctggacactt 120  
 ccatgagact tgccctcacg tacagtg 147

<210> 19726  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956446H1  
 <400> 19726

cttgcattgct gctgttggtg ctggtgccgg tggctatgga ggtggtggag gcagcggcgg 60  
 tgggtggcgg gtagaacatg gtggacgtgg atatgaagac cgagctggag gacgtgcatg 120  
 tgctggtgct ggatacgctt cattcagagg tntagacagt ggtggcaaca agagcaatac 180  
 tgacaagcct tatggtatta atggtggcat ggctttaagg gaaagagctg atgcaacttg 240  
 caggagaaga 250

<210> 19727  
 <211> 80  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956448H1  
 <400> 19727  
 cagatccatt aggtgcgtgt tgtgaattgt gtgagccaaa gagagagaaa gagacgaaga 60  
 cgaagaagaa gaagacgctc 80

<210> 19728  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956449H1  
 <400> 19728  
 agttgctaaa gctgggtgcac tcgtctctta caaactgggc actggtttgg ttgttgctcg 60  
 aagctcagat ggatcatggt ctgcaccgct agcaatattc tccctggggt taggatgggg 120  
 tgctcagatt ggtgggtgaac ttatggattt tatagttggt cttcgtgata tgaaagctgt 180  
 aaagacattc tgcagtcata tgcatttttc tcttggtgct ggttgtagtg ctgcagcagg 240  
 gcctgttggg agagtg 256

<210> 19729  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956450H1  
 <400> 19729  
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 atgatgacat cagcaatatt ctcaatcaca gtgaatttac atggaatgaa accctacaaa 120  
 cgttaaatgc tgaggatgat gtctgggatg catacattaa ggaccaccca gatgccatct 180  
 catataaaaa caaatgtttg tatcttttcc atgatttatg caagattttt ggaaacaaat 240  
 taatggaagt atcagat 257





gtcaaattatt gggtcacttt gaatgaaccc ttatcattta gtctcaatgg ctacaatgg 240  
ggcacctttg cac 253

<210> 19733  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956454H1  
  
<400> 19733

gaaaaaaaga aaaagaagat caaggaagtg tcacatgaat ggtccttggg gaacaagcag 60  
aagcctatatt ggatgaggaa gcctgaggag atcacaaaag aggagtattc tgctttctac 120  
aagagtctta ccaatgactg ggaagagcat ttggctgtca agcactttctc tgttgagggt 180  
cagttggagt ttaaggctat actctttgtt cccaagaggg caccttttga cctctttgac 240  
acaaggaaga ag 252

<210> 19734  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956455H1  
  
<400> 19734

ataataatgg gttcacaaaa ttgtatggat aggaagcact atgtttctggg gcatggggca 60  
tgccatggag cttgggtgttg gtataagctc aagccacgct tggaatctgc aggccataag 120  
gtcacagtac ttgaccttgc agctttctgga accaacaatga agaaaattga agatgttgat 180  
actttctcag agtattctgc gcctttgttg cagctaattg ccacaattcc ctcaaatgag 240  
aagttagttc t 251

<210> 19735  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956457H1  
  
<400> 19735



<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956460H1

<400> 19738

cacagatggt ggtaacataa tagtgcccta cggtaaccat ataagcatac tcagnattaa 60  
cctttctgctt catttccata acaaaaagag catctcggtc tgaacaacca tatggaacaa 120  
tagttgtctc tattgtgtga tcttgctttg ctcttgtgaa gtacattggg gcggtggacg 180  
agtcgatgcc ggctatggca atgaagaagt cggttaatgc tgagaatgct tatatggtta 240  
ccatggga 248

<210> 19739  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956462H1

<400> 19739

atTTTTgaag gttcatcacc cgggtgctgga aaatttgggt acctaaaaat acgtcgtcga 60  
gctaccccaa aaaaggctaa cgccatcaag gatgatgggt cactcacctc agaaaaggct 120  
aacgctagca aggatgatgg tgcagtcacg atgaagaata atagttaatc atggcttata 180  
tttaaccact ttaagagttc tacctttggt gtctttcccc agaacatgta tagtatgggt 240  
aaattttgaa cc 252

<210> 19740  
<211> 66  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956463H1

<400> 19740

cttttctaac ttaaaaaaca ctaaaaaagg gcggccgcga tacttgcgct gttggcccgg 60  
ggaatt 66

<210> 19741

<211> 280  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956465H1  
  
 <400> 19741  
  
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 ggactacgat ttcagaagca cgttccggcc caacacctca cctgtaccgt cggccaccgc 120  
 caccgtcacc gatgtaccgt ccatcaccgt atcaacagaa tcctactcct tcttcaggac 180  
 ttggcgtag ggttggtata aagccggaat ataggatcac accgccgcct catttatcat 240  
 cacttgctgg agataatcca cggagcaact tccaatttga 280

<210> 19742  
 <211> 81  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956466H1  
  
 <400> 19742  
  
 gtgatccggt gcgtccctcc aaaattgagg cagaaagagg atagaagtga tatgagggtcc 60  
 tcttttatcc atccatccac a 81

<210> 19743  
 <211> 86  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956468H1  
  
 <400> 19743  
  
 caacaccaga ggcagaggca gagagaaaca gagagagaaa ggagtaacaa atagttgatt 60  
 atttcaaaga caatgaacaa taaaga 86

<210> 19744  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956469H1

<400> 19744

cttattttat ctattctctc tctttctttt gtgttctaag cagctagaag caatggagag 60  
 gaaaagaagc catgcctctt tcacatggtt tgcacatgct tgttggagtg atctttcaga 120  
 gccttgtcat tctgttagta tccaccactg ttgaagatca gaagaactac tacaccccag 180  
 atccacatgc tggaagtecc cctcaggct cacacagtag tactcctcca tctcatggcc 240  
 atggaagctc tccaccctc 259

<210> 19745

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700956470H1

<400> 19745

ctttctctct tctctctcca cccaaaccct aactcccgac cctgttcccc tctcgtatcc 60  
 gtcataaag gaggaagtc caagaccgaa tctaagagag ccgatcccaa acttgctgtg 120  
 aataagaagg gagccgccac caaggctagg aaacccgccc gcaaggggaa ggcagcgaaa 180  
 gaccctaaca agccaaagag gcctccaagt gctttcttcg ttttcatgga ggagtccagg 240  
 aaggtattca acaaaga 257

<210> 19746

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700956471H1

<400> 19746

atgaaactct gaaatgagat caaaataaca taacacaaaa cgcaaaaccc taatctctgc 60  
 aattcctgtg cgtggaaagg ttcgagaatg gtttcgctgg aggaatctcg ctcgaattcg 120  
 agccgtttcc ccttggcgag gagttaccag taccactcct cggtttcgct caaaacgcag 180  
 cgtcaaattg gaaggtccat gcgcactata cgctccaatt tcttccaaga cgacaacagt 240  
 tctagctgct ccttc 255

<210> 19747

<211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956474H1

<400> 19747

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 ctgggtcaaa ttcaacatct gatgctcagc ggtcattttt tgactttgag gattcccagg 120  
 atcaagtctt ctcaccacct ttgctaattg actcatcact tttcacagat ccatttgaag 180  
 acttgctggc ccctctctcc gagactgaaa cggccttgat agaccattga aaattttctg 240  
 ggcaa 245

<210> 19748  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956439H1

<400> 19748

gtaagctccc aagcagtggg aggaggctcg ggactctgac cgcgtgcctg ttgaagaatg 60  
 agccggcgac tcataggcag tggcttggtt aagggaacc accggagccg tagcgaaagc 120  
 gtgtcttcac agggcaattg tcaactgctta tggaccgaa cctgggtgat ctatccatga 180  
 ccaggatgaa gcttgggtga aactaagtgg aggtccgaac cgactgatgt tgaagattca 240  
 gcggatgagt tg 252

<210> 19749  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956404H1

<400> 19749

cctcgagcct atcggtcac gaagatgttt cctcaggaaa ctcatagtaa cggtctcag 60  
 caggggcccgg ggggtgggtta cagtctcaga gagcgagtcc gtcgtggcac tcgctgggtca 120  
 cgtgcctcca cttcctccgt tagggtttac gaccagcacc aaccgcaaca tcgacctcct 180

tgactgatt tcgacgtcgc ctatttccat tcctacgctc accttggcat ccaccaagag 240  
atgatcaagg atcgt 255

<210> 19750  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956405H1

<400> 19750

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acatggcgga gatcacgaac acgaggaagt gaagggtgag tccttggttg agaagatttc 120  
tggaagatc caccgaccacg attcctcgtc ttcgctcgat tccgacaacg aaaaaaccag 180  
cgccactgat tccttcaagt ctaatgtttt caggcttttc ggcagagaaa agccattca 240  
tcattgttctt ggcggt 256

<210> 19751  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956407H1

<400> 19751

gcaaaatctt atcttagcta ccccatcaca acaaccacgt cactatttct gatactctat 60  
taggcaaaaa caccacaaa tgggagagga aaaggagcag cctaagaatg acaccgagaa 120  
aaagcccgag gaggtagccc ccaagaaaga cgacggaccc atccctgtcg ttacaaact 180  
cgacttgcac tgcgagggat gcgtcaagaa gatcaaacgc acctgtcgcc acttcgaagg 240  
tctggaaacc gtta 254

<210> 19752  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956409H1

<400> 19752



0953113-032200

ggagagaaca agcacagcct cttagaaaag cttcaccgat ctgacagcag ctctagctct 60  
tcaagtgagg aggaaggaga agatggagag aaaaggaga agaagaagaa ggaaaagaaa 120  
gggctgaaag agaagatcga ggagaaaata gagggatgatc atcatcatca caaggatgag 180  
gacacaagtg tccctgttga gaaagttgag gttgttgaaa cagcacatgc tgaggaaaag 240  
aaggggttcc tcgacaaga 259

<210> 19753  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956410H1

<400> 19753

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ttccccatcc ttggctggca aggccgtgaa gctgggcca tcagcccccg aagtcgggag 120  
ggtcagcatg aggaagaccg tcaccaagca ggctcctcc ggatgcccac ggtacggccc 180  
agaccgcgtc aagtacttgg gccattctc tggcgagccc ccgtcctacc tcaactggcga 240  
gttcccaggt gacta 255

<210> 19754  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956411H1

<400> 19754

ggagtcatga ttttaacaag tggattctat cgacttccaa atgatcttcc caaaccagtg 60  
tggaattcc ctttctacta catttccttc ctcacctatg ctttccaagg actgttaaaa 120  
aatgaatttg aagacttgcc attttcttcg gaagttctag ctgacacttg gcacgtgcaa 180  
atgggtcact ctaagtgggt tgatcttgct ctcattgttg ccatgattgt tctgtatcga 240  
gttctattct tggcc 255

<210> 19755  
<211> 256  
<212> DNA



attatgcttc ttcttgatg aaacaaaagg ccacgatata gct

283

<210> 19758  
 <211> 61  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956417H1  
 <400> 19758

ccatggttga gctctggtg attacgtgct ttctctaact actgttttcc acacaacata 60  
 c 61

<210> 19759  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956418H1  
 <400> 19759

attgatctg cgagtggaga agagaatcgt gatgggagga ggacacggtc acggcaccac 60  
 ctacaaagga gttaccgttc atcacccaaa gccatggcac actatcaccg gcaagggttt 120  
 gtgcgcggtc atgtggtttt gggatttcta cagggcaaag caagacggtc ctgttgatt 180  
 gggctggagg catccttggg agggatcat caatgatcat ggcaagggcc attaagcatt 240  
 ccttaggcat ga 252

<210> 19760  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956419H1  
 <400> 19760

ctaaattcat gttatttcaa ttaagtttga agtatcaata tcaaattata gagcttttga 60  
 tcacgttttg ttgaaaatat ataaactaaa aacatatttt tcaactaaat taattatcga 120  
 ttcatatcat aataactaac aataacttct cattcagagg ggtagacta gaactttata 180  
 acatgcatca tcattgccat ctctcttata aacttatgca ttgctagtat tattggactg 240

cttataccaa tacaattg

258

<210> 19761  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956420H1

<400> 19761

gagttttcac tctctaaaga aagctttctt ctctctcttt tcttggcatg agaaatagtc 60  
ttcaaggag tagataaaga cacaaacact aaggagggaa ctgtttcaaa tgatgttcat 120  
gttagctagc cactattcaa attcaaacca aagccattaa aaagggtgtg gggaaattta 180  
ccataggttg ttgagtttag atggacagtt catccaactt tgagaaactc tgattggggg 240  
acaaccttca 250

<210> 19762  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956421H1

<400> 19762

caccactccc caaaaccacc ggagccatcg tcatcggcgc gggcctcgcc ggactcgccg 60  
ccgccaccca cctgaactcc cagaacatcc ctttctcct cctggaagcc tccgacgccg 120  
tcgaggccgc gtgcgcatcg acattgtcga cggcttcctc ctgcaccgcg gtttccaaat 180  
cttcatcacc gcctaccgag tagcgcaaaa gtcctcaat tattaatccc tcaagctcca 240  
gaagttctac tccggcg 257

<210> 19763  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956422H1

<400> 19763

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tcagggtggt ggtgacaagg actacaagga ggcacccccca gtccttttgt ttgaacctgg 120  
 tgagctcaaa tcatggctct tctacagagc tggaattgct gagtttgtgg caacttttctt 180  
 gttcctctac attaccatct taactgtcat ggggtgtcaac aggtcacctt ccaagtgtgc 240  
 ctctgttggc attca 255

<210> 19764  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956423H1

<400> 19764

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 cgctcttcaa ggaatttcag gctcccagaa gtttcagata cacaaagcat atggaagtcc 120  
 tgatcacttg cttctgctc atacttgctt caatcaatta gatttgccgg agtatccatc 180  
 taaacaccat ttagaagaga ggttactgct ggcaattcac gaagcaagtg aggggttttg 240  
 ctttggttga gaa 253

<210> 19765  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956428H1

<400> 19765

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 ttcttttgtc ttctcagctt tgaccacttg gcacgctacg ctacgttgca ttttcaacca 120  
 tcactctttt gtgttcaact agtactatat aatagtggac acctcggttg ttactttgtt 180  
 tttgttttct cgtgtatatc tcagtgttga tcttaaaggg gaaaatgagt tacttgggtt 240  
 tgggtgtagg tc 252

<210> 19766  
 <211> 91  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956429H1

<400> 19766

gaggttggtg ctggaatact atggatctaa tccacaacca tggacgcaaa acgcaactc 60  
gaagtggaag actgggaact gctaccaccc a 91

<210> 19767

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700956430H1

<400> 19767

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ctgaatccgc cattgggctg cgatggcgaa gaagcgaaag tcggtggcaa cgcgccctga 120  
cgaagtggat cgaacgatgt actccacttt ctgcagcacc gccaaactccc tctctcatct 180  
ctacaccac gccatgaacc aacaaaaact ctcatctcag gccggtgaac gacacgctct 240  
tgagaaattg tatca 255

<210> 19768

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700956432H1

<400> 19768

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gcgtttggcc ttcaggtttt gaagtccgaa ggagataata gaagagattc ctgacatcgt 120  
aatcattttt ggtgtcgtaa ggcgaagggt tgcttctgga agtcgtctc cttggttact 180  
atgtcagtca gctcagaaaa tccggtctgg atccatcagt ttgctgctat agtgtcttac 240  
attgtg 246

<210> 19769

<211> 250

<212> DNA

<213> Glycine max







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ccaccacttc ctattccttc aggtaacttc acccttggtt atccctctct tgtttcttgt 240  
aatgaagtta gcacctctcg 260

<210> 19775  
<211> 219  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956361H1  
<400> 19775

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gaagcatttg catcatctcc agacaaatta gatgaattgt gcaatcatgg actggtaaca 120  
caagctgcct ctctcatttc taccagcagt tctggagggtg ggcaggcttc tctcagcact 180  
ccaacatata ctggtttgat ccgccttctt tccacacaa 219

<210> 19776  
<211> 217  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956362H1  
<400> 19776

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caatgttcat catatttaat taatccgtgt tctaaaggga atattcagat agttcaactg 120  
catattttat tagtcacttc ctgcgtcttc ttcagtcatt ctctaaattt ccggcatggg 180  
atcttttttg tgcccccttt acactcttcc acacaac 217

<210> 19777  
<211> 236  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956363H1  
<400> 19777

gtttctcaca agaccctgc actgattcca atgcccacac ctcaacctct tccaccttag 60

ttgtagatca ctactgtgac tacgacaagc tcaaattcaa aacctttctc agaaaaatgt 120  
 tctgggaatt cgggtctgcc tgtgtggcca acccttccca gcaccggaga agctccggcg 180  
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<210> 19778  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956364H1

<400> 19778

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 gaatattttt acagggtaat taccttagtg gaggattcc aagtgaaata ggaaaccttt 180  
 cacagcttca aaatttggat atatcaagca attccctcag tgggaatatt cctgcatca 239

<210> 19779  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956367H1

<400> 19779

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 aatatggagg ggcagaagaa aaacaagagg gtggctgttt tgggtgggttg caattacccc 120  
 aacactagca atgaattgca tggttgcata aacgatgtgt tggcaatgaa ggacacgctg 180  
 gagaagcgct ttgggtttga tcctctaac attgagcttc tcaactgatgc 230

<210> 19780  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956368H1

<400> 19780

ctcaagtcca acctaccct ttttcttctc ccaccaactt caccgtcatc ttctcgatc 60



agtcgaagcgt gagcgtgat tactagaagg ccgttgagaa ggcgaagatg aagttcagag 120  
gcttcacgc tgagaaattg agcgtcctc taatgctccg tttggcatgg cactctgctg 180  
gaacttacga cgtgagctcg aagaccggtg gtcccttcgg aa 222

<210> 19784  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956376H1

<400> 19784

caatgactca gttgaaagca tctcctgctg ctgctgttgc gttccttgcc attgctcctt 60  
cctttcatca tgcataccta acaacagggc accttctgcg ccatcaattc tccaaggcaa 120  
agcctttgtc actcaaagag ctgggggctaa aaacaagcgt tgggtgccaat aaacttcaag 180  
ttattaaagc agctgcacgc attgatacag aggtagtctt tgaaaccac 229

<210> 19785  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956377H1

<400> 19785

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aacggtgttt ttgaagttct tgctacaaat ggagatactc atcttggagg tgaggatttt 120  
gatcaaagaa taatggagta cttcattaaa ttgatcaaga aaaagcatgg aaaggatatt 180  
agcaaggaca acagagcact tggaaagctg aggagagagg ctgagcgtgc 230

<210> 19786  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956380H1

<400> 19786

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tgtcggtggg ctgcgttggg ccactgacga ccaagctctc gagagagcct tctctcagta 120  
 cggcgaaatc gttgaaacga agattatcaa cgatcgtag actggaagat ccagggggtt 180  
 tggattttgtg accttcgcct cggagcagtc catgaaagac gccatcgaag ggat 234

<210> 19787  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956382H1  
 <400> 19787

aaagtatttg ctgatgcttt ttctgatcgc atatttaa atccactgct tgatcttctg 60  
 atcaaactctg ggcgaaatgg caaaaacaat gggaaagggt actacattta tgaaaaggct 120  
 ggcaagccaa aacctgatcc ttcataacta ccaatcattg aggagtctag aagactttgc 180  
 aatattatgc ccaatggaaa gcctatatct gttactgacc aagagatcgt 230

<210> 19788  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956383H1  
 <400> 19788

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 tcagttttctc aactcaaag gttccccatt tgttggtta atctaccctt ttcttagcct 120  
 ttataacaat ggagatttcc cccaagagta tgcgttcttt gaggggaacta cccatgccgt 180  
 ccaagatggt tccaatgttg aactaatgc atttgatgga aactatgaca c 231

<210> 19789  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956384H1  
 <400> 19789

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acactacca taatatgggc gaaaacaaca acccaagggg ttttggttct tctatgtttc 120  
tatgtatgct tgtgttgatg atttgaaca agattgttgt tgttggtcca caagccgagg 180  
ctcgagcatt ttttgttttt ggtgattcgc tagttgacaa tggcaacaat a 231

<210> 19790  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956385H1

<400> 19790

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cccaagatgg aatactgaag tacatgctga agatgatgga ggtttgcaag gcacaatggg 120  
ttgtttatgg gataattcct gagaagggga agccagtgc cggagcatca gataatcttc 180  
gcgaatgggtg gaaggataaa gtcaggtttg atcgaaatgg tcctgctgcc at 232

<210> 19791  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956386H1

<400> 19791

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agattccaat tactgtatac atttgcttga gaaatttcag tcagcggctt cggaatttct 120  
ctttaaccct ctttgctggg cttggcaaga ttactttgga gacatacatt tcccagtttc 180  
atatttggtt aaggctaac atgccaaacg gacagcccaa gtggcttctt tc 232

<210> 19792  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956387H1

<400> 19792

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cctctcttcc ctcatatgga tgaccaggtc ctcgagagag cgctccaaga atgtggcaac 120  
gacctagatg cggccatcaa gaggctccac ggctctgtt tgggatctgc tgatgataat 180  
tctcaacctg ctccacaacc tgaccaccct aacctcgctg tcgac 225

<210> 19796  
<211> 224  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956391H1  
<400> 19796

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ccattttgta cgtgcctggg tgccacttgg aggaaccacc tgggttgccac ttggaggaag 120  
caccttccca actccaacct tgtgaagcat tgcaatcttg tgcctcgttc aggtaaagcg 180  
atggtttag ctttgcaacc tactcaagac gctacaataa tgag 224

<210> 19797  
<211> 226  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956392H1  
<400> 19797

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gaattcggtg acctcaatga tcttgaagca ttgttgagc aagatatttt catgcctaca 120  
gcaacttaaa atttcattgt taaggggtga tttagaattt cacagctgag ttaggtgatc 180  
aactgtctca ctttgattgt tatagtaaatt tagtaattctt aattct 226

<210> 19798  
<211> 231  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956393H1  
<400> 19798

caagatactg taattcttac tcttattcac cgatttcccc caaatcttcc atccaagaat 60



tttaatatatt tctcttccag atttccccca atcttctccg cctctcttcc ttttccttta 120  
catttctctc tgattgaaac gccacacca tttgagagga tcttttttct agagaagcca 180  
acccaaagtg tgttttcatg gggttgttgt gatcttgaga aactagagag t 231

<210> 19799  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956394H1

<400> 19799

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ctttgcagaa gcccgggatt gtcttcttcc aatgggaatc acttctgaga atgtagcaca 120  
acgttatggg gtgacaaggc tagagcaaga tcaggctgct cttgagtctc acaagcgagc 180  
tgcagctgca acagcagctg gcaagttcaa agaagaaatc cttccagttt 230

<210> 19800  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956360H1

<400> 19800

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acaccaatct tagtcacaac accaccgccg gcaacttctg caccctctcc actgctcaac 120  
gcagaaacac ccctcaaaac agaagaaaaa ccccaaacac aaaccctaaa aacccccacc 180  
accaccactc aaaaagctat aaccaaacca agcccatcat catccaccac c 231

<210> 19801  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956395H1

<400> 19801

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cgatgaagag atgagggaga ggtacgagat attctogcaa aacctcaggt tcatccgctc 120  
ccacaacaag aaccgcttgc cctacactct ctctgttaat cattttgctg attggacttg 180  
ggaggagtgc aaaagacaca gactaggcgc tgcccaaat tgctctgcca etc 233

<210> 19802  
<211> 236  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956396H1  
  
<400> 19802

ctttccaag gtcgtccatt tgatatgctt gatgctgctt tatacagata cagttgccaa 60  
attccctggt gatatccagc catttaaaga tatgatagat ggaatgagac tggatcttaa 120  
gaagccaaga taaaaaact ttgatgaact atatctttac tggtactatg ttgctgggac 180  
agttggtata atgagtgttc caatcatggg catttcacca aattccaag ccacaa 236

<210> 19803  
<211> 236  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956320H1  
  
<400> 19803

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tttcgaaacc aaagcttctg cttttgtgat ggaactagag agctgagagg cctaaacctc 120  
tgtttgctct ctcacccttt ttggtgcaga tcttgaactt gagctgcatt ttcataaaaa 180  
accagcacca agaaatggaa cataccatgt tacctgccat tggatctggt ttcctt 236

<210> 19804  
<211> 238  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956323H1  
  
<400> 19804

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cggccaatga tcggaagtt gtcggagttg ttggtctcga gaggccgcac ggtggcactt 120  
 ttggacacca ctggaagccc aagaggccca ttagacatga agatgatgca atcaccaaga 180  
 ggcttaaaaa attatgatct tgggtggcgtt ggtcttggaa ttgtggtggc tcttgata 238

<210> 19805  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956324H1

<400> 19805

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 atcggaggat ttggtgaagc aggaattgga ggaattgcag aaacaattgg ggaagaagct 180  
 aaaatttgaa gcctctattt cgtctctaaa atctcttctc caacgcactt acccat 236

<210> 19806  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956326H1

<400> 19806

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 ctgagcccat tgtcagggtt cagtccttat ccgaaaactg cgaagattca atccctgaaa 120  
 ggtacatcaa gccttctact gatcaaccat ccataaaaag ttgtaatttt gatgatgcca 180  
 atattccaat catcgacctt gggggactat ttggtgctga ccaacatgtc t 231

<210> 19807  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956328H1

<400> 19807

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agaagtctgt tttataacaa aaataacgac tcacttatca cagtttctgt atatgcttca 120  
gacagttaca gttctttgaa gtgcagaagc acaaggattg aatatataag gaggggtaca 180  
ccagatgctg gctttgctct ttttgaatcc gagtctctga agtggccagg tttt 234

<210> 19808  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956329H1

<400> 19808

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ttcagactgt gaaactgcga atggctcatt aaatcagtta tagtttggtt gatggtatct 120  
tctactcgga taaccgtagt aattctagag ctaatacgtg caacaaaccc cgacttctgg 180  
aagggatgca tttattagat aaaagggtcaa cacaggctct gcctgt 226

<210> 19809  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956330H1

<400> 19809

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agtgagaaag agagagagag agagagaaac tgagagaaat tcgcaaaccc taatttcgga 120  
aagatcggcg atggctgcct ccaaggatcg cgagaacttc gtctacatcg ccaagctcgc 180  
cgaacaggcc gagcgatacg aagagatggt ggaatcaatg aagaacgtta cgaatctcg 239

<210> 19810  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956331H1

<400> 19810

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caaaactcga agatcttggg gaggaagccc atggcaaatac agcagaacat agtggtggca 120  
gatggcacag ggcagaagaa catgcccaca ggaatagtc tccataagcg cgagatcatg 180  
ccggacccta cctcttggc agaccgcttg agcgtgaaga cttacttggc caggccatgg 240

<210> 19811  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956333H1

<400> 19811

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aggaaaaaag gactttggtt atccacgcaa cataagacat acattaacta aactttctag 120  
aatcttcttc tctcgccatg gcagcgctgt cgtctccgc cgcggaacac atcatgctgg 180  
cgatctccga gaagaagacg aacagtgtag atctgtatcg cctctt 227

<210> 19812  
<211> 165  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956335H1

<400> 19812

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caaccccgat ccaggcgaat tgagcgaatt aactcagccg agcttcgacg agttccaacg 120  
ccacaactat cacatatcca tctgatggct ccacaagcaa gatct 165

<210> 19813  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956336H1

<400> 19813

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tgagatattt acaactagcg ttgtgcttgg cagttacttg gcaatgatga cagtcattat 120

cgtttgggca gcatagaaaa ccaatttctt cccgcgagta tatggagatt ctactcttga 180  
 gagaactgct catcatgagt tccgactact tgcctctgca atctagcttc aagt 234

<210> 19814  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956337H1

<400> 19814

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 cttcatcgtc ccgcagttaa tgtgtacgca gtgccgcggt tttatcggag aaggctttgt 120  
 tcttcttctt cttcttcaga gtccactgcc gctacatcct ccatcgaccg ttcttccctt 180  
 tacaatccac ctgagcattc tcaccacccc acttctgatt ccgaactcgt caaaca 236

<210> 19815  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956339H1

<400> 19815

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 aatctgattc gctttcgatt atggcgtctg agagcgcttc tcgatcgagt tccgcggccg 120  
 attcgtacat tgggagcttg ataagcttga cctctaagag tgagatcaga tacgaaggta 180  
 ttctctacaa catcagcata gaagagtcca gtattggcct cagtaacgtg cgg 233

<210> 19816  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956341H1

<400> 19816

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 gaagaaggaa aagaaagata aagagaagga gaagaaaaag gaaaagaagg ataaagatga 120

agaaacagac acattaaagg aaaagggaaa aaatgatgaa ggtgaggatg atgaaggaaa 180  
taagaaaaag aaaaaggata agaaggagaa agagaaggat cacaaaaagg aaaa 234

<210> 19817  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956342H1

<400> 19817

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tttacctcct acacaatgca aaagttgcc aaggtgggtg catagcaaga ttgttggttt 120  
tccctctctt cttaggttgc atgcatgggc ccaaattctt ccggactgag attcccgtga 180  
caatactgac ttgcctgtta gggcttacta atggctacct aaccagtgc 229

<210> 19818  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956343H1

<400> 19818

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ctcagataga cagaagaaag aatctgctcc tccagtaggt atttctgaga atggctcaga 120  
gaaaacaatg tacttcttgg ctgaagcaac acatcccttc agtgctgaat cagaaaagga 180  
gctgagtttt tcgaagggtg attttgttgt tgtgcgaaag gtgagcccat ca 232

<210> 19819  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956344H1

<400> 19819

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caattttgga cgattaacaa ctggccagac aacagaaaga ggaagataag agacgacata 120

gggaccttaa gaagatgcaa gatctactcc taaatcaaaa ggaagccatg tatggttcta 180  
 aacctagtcc aagaaaaaat aacagcttta gaaagactaa tagttaccgt 230

<210> 19820  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956345H1

<400> 19820

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 tgggcaagtc tgtagttgag aagctacttt ggatggcaat tgtgtgcttg gtgctgggtg 120  
 taatttccat tactcccaag gctcaagcag cagtgcacatg caaccagggtg gtgagcaacc 180  
 tcaccccatg catttcttat gtgctcaatg gtggcaaaac cgtgcctggc cctt 234

<210> 19821  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956347H1

<400> 19821

gttggttaaga atacgatcaa aacacttgtg taaacatggc ttaaggggat aagatctttt 60  
 ggttttcaga tgtggaatth gctagggaga ctttggcagg tgtcaaccca tatagcatcc 120  
 aattggttaa ggaatggcct ttaacaagta aactagaccc gcaaataat ggtccacagg 180  
 aatcaacaat aactagggaa gtcattgagc cacaattat cacttatgga acaattg 237

<210> 19822  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956348H1

<400> 19822

gatcatgcac attcttttagc cgatctttcc ataggaatat ccaccttgc tggaattgta 60  
 ctctttcttc ttgtggagaa gttagtgagg tatgttgaag aaaactcagg aagagcta 120





ataggaaatc acttatgaag gatatgagaa gggtaatgcc aacccatgtg ttgagtgcag 180  
 ctgggtgttac tggaaggcct aatgttgatt ggtgtgaatc acacaagggtt gaa 233

<210> 19826  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956355H1

<400> 19826

ctctctcttt ctctaccttt ctgtgaattt ctattgcatt aattttctct acagaaagag 60  
 aaaaaaaaaag agcttccaca atgggtgagcg ctgcaattgc tcgtaacgtc gtcggcgtaa 120  
 taggcaatat catctccttt ggcttgttct tttcacctgc tccaactttc tatggaatcg 180  
 taaagaagaa gacggtggag gagttcaagc cagatcctta catagcaacg gtgtt 235

<210> 19827  
 <211> 214  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956356H1

<400> 19827

cacccttgag gtggagagct ctgacaccat tgacaatgtt aaggccaaga ttcaggacaa 60  
 agagggatc ccaccagatc aacagacggg gatctttgct gggaagcaac ttgaggatgg 120  
 ccggactctt gctgactaca acatccctca tcgagtacac tcttcacctt gtactccgtc 180  
 ttcgtggtgg gattttaaag tctgagaacg ctct 214

<210> 19828  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956319H1

<400> 19828

cattgattcc caaaacccta attgaagttc tctctccac actatatatt gcagattttg 60  
 agtgagtcta tcccttaaag gctctctctt gcagtcgcag aggaaaaccc tagctagtag 120

tctcagttcg tttgagagag aaaaaatggc agaggggtctc gttctccgcg gaaccatgcg 180  
cgccccacacc gacgtcgtga cggcgattgc cactcccatc gacaactccg acatgatc 238

<210> 19829  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956357H1

<400> 19829

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ttcgtggctc gggggacgat ggtgtagcc gagtacaccg agttcactgg gaacttcctt 120  
gcaattgcag ctcaagtgcct ccagaaacta ccctcttcca ataacaagtt cacctacaat 180  
tgcgaccacc acaccttcaa ttttctcgtc gaagacgggt acgcttactg t 231

<210> 19830  
<211> 210  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956278H1

<400> 19830

tctcgagcgg atcggctcga ctaggaacaa gagtttattt cagattagct cggttcttca 60  
aaaggcctca tcaacttaag ggtagctat ttatatatat atacttctgt gacctcaaaa 120  
ttgagctgag ttgtataact gcaatgggtg tttcgtgggt gaagctgttt tttgctgctc 180  
ttgctgggat tctactctca acccaacata 210

<210> 19831  
<211> 124  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956279H1

<400> 19831

ttcccaaadc aggaacact ttctcatctt ccctttccca gtttcacacc ctatatcata 60  
gaaagctctg tcaacgaacg tcttcatttt gggaagattg gatatggatg cgatcattac 120

agga

124

<210> 19832  
 <211> 76  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956281H1  
 <400> 19832

ggttgaactc caagaacctc ataaaacctg gactctctct ggcatcactc gctctctctg 60  
 tctctctctc tctcta 76

<210> 19833  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956282H1  
 <400> 19833

gttttcatga cataaactat catcaactgt tgctttccat tttggctata attccacaaa 60  
 atgtgccatt ctttgcaagt gtaatattac tagcatttcc atatatacgt ccatggcctc 120  
 cttaatgctc aatggagctc atcaaaatcc aaacctcatt agtggcatag ctccaaatgg 180  
 ccttaacttt cacaacaagt gtttattcca aaagggtgtg ctgtctcatg gtaacaagtt 240  
 aa 242

<210> 19834  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956284H1  
 <400> 19834

aggataagga aggtattcca cggatcagc aacgtcttgt cttcgccgga aagcagttgg 60  
 aagacggcag aacctcgcc gattacaata ttcaaaagga atcgacgctt catctggtgc 120  
 ttcgtctccg cggagggatg cagatcttcg tgaagacgct caccggaaaa acgattactc 180  
 tggaggtgga gagttctgat acgatcgata acgtgaaggc aaagattcag gataaggagg 240

ggattccacc gga

253

<210> 19835  
<211> 180  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956285H1

<400> 19835

tagaatataa tcattcactc tgtttctatt cttctttcta ccatagcata actaagatat 60

gaacaccata taataattaa caacaataat ttaataatac tctcttcatt gttaaattcca 120

tcttcacttc actttttcttc tctgttctgt ggagtattta atcatttcca cacaacatac 180

<210> 19836  
<211> 66  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956286H1

<400> 19836

accgattcca ctcaactcaac aatcgtaaga ttaaggcggt ttgagctcat agaacaacca 60

cctttc 66

<210> 19837  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956287H1

<400> 19837

cttgttccca tttcagaaga gattagcctt gtcagcagac taatcaatgc aattgcaaac 60

aatgcatgca aagaacagct caccactggt ttgcaaaaac tggaccacag cttcccttct 120

aaaaccacct caaacatgga acctgaaaca ccctcagaat ggtgggggaa atctctcaat 180

gttcttagtc ttgatttctt tcaaagagtt ttgtctgcag tgaagtcaaa gggattaaaa 240

caa 243

<210> 19838

002220" 03200

<211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956288H1

<400> 19838

ttcgagctgc atatttatca caatctgcta agcagaaagt cagtctgctg gttccatggc 60  
 tttgtaaatc agatcaagaa ctagtttatc ccagcaatgt cacttttact tcgccagaag 120  
 aacaggaagc ttatatacgt agctggcttg aggaaaggat tggtttcaag gcagacttca 180  
 aaatttcttt ttatcccggg aagttttcga aagcaagacg gagtataata cctgctggag 240  
 ata 243

<210> 19839  
 <211> 88  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956289H1

<400> 19839

gagcaaattc tcgaacttct gttgcaaatt cccttacctg cggaccagcc gctttcacag 60  
 tgtcgtctaa gttctccact ccacacag 88

<210> 19840  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956291H1

<400> 19840

cctgacccga accaagttcc caaggagttc acctgcccc tttccggctc actaatgtcc 60  
 gacctgtcg tcgtagcctc gggccaaacc ttggaacgcc tcgccgttca actctgcaaa 120  
 gacctcaact tctccccgaa gctggacgac ggcacccgac ccgacttctc caccataatc 180  
 cccaacctcg ccataaaaac gacgatcctc cactggtgcg acaattcccg cacccaaccc 240  
 ccgctc 246

<210> 19841

<211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956292H1

<400> 19841

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 tctgtcgta ttggattgat tgggtggect cttgctgtga ttgggaaatt gataccagtg 120  
 ccaacaactc ccatcaacaa tgttttttca aaatttcgaa tttctagaaa ggatcatgag 180  
 gaatctcaat agatttggcg ttgtgctgtt tcaaacaatt ctgctgtttc ttttgttctc 240  
 tgac 244

<210> 19842  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956293H1

<400> 19842

atctcatttt cctccaatt tccttctggg ttttgcaatt tggccaattg ggtcccaaaa 60  
 gctgtgacct tttcctctga tcaacgcgaa gganagagaa acaccagag agagaaagag 120  
 aaaaagaaaa gttgttgttt tcttttgttc tttgggggtg ttggtttaa acccggggtt 180  
 gaagcattgc agacatcatg gctattcaag gagttcgcca ctctctttct catgcccgtt 240  
 gtgt 244

<210> 19843  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956294H1

<400> 19843

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 gcaattaatg gttatgggtcc agttcacacc aaagcaagat ggttcaatga tataatcaat 120  
 gtcccatgcc aatcaaaagc atttgttgcg ggttgtgtgg catatttctt ggacaacaca 180

ctacacaaga aggaagctgc tattaggaaa gatagaggaa aacattggtg ggacaagtac 240  
cggt 244

<210> 19844  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956295H1  
  
<400> 19844

ataaatcctg caatgtctgg tggttatcct caacaagggtt accaatctcg accaccctct 60  
gattgggctc cccctgcccc aatgcagcaa gctggttatg gctatgtgca acctggagca 120  
tactctggctc catcacccca gtataacatg cctcagtaac catatgcagg ctatcctgcc 180  
cagcaacctg gtggatattc caccaattgg gaccagtcta ctgcaccacc tccaccagca 240  
gtcta 245

<210> 19845  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956296H1  
  
<400> 19845

tgctcccttc gctttccctt cattcacatt tcgcagggcg cttctttctc attgctggca 60  
aaatggcaaa tgtagcgtcc ggaatggctg tgcacgatga ttgcaaactg aggtttcaag 120  
agcttaaadc aaagaggagc tacaggttca ttgtgttcaa aattgaagaa cagcaagtgg 180  
tggttgagaa attaggggac cccacggaaa gttatgagga ctttagtggc cagttttcca 240  
gctaatag 247

<210> 19846  
<211> 240  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700956301H1  
  
<400> 19846





<400> 19849

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 caagcactgc aaacactcaa ggactcgggt ctatctcacc ttgtactggt tcatcaagtt 120  
 gatgtggctg atgcaacaag cgtagcttct ctggcagatt ttatcaaata taaatttgga 180  
 aaacttgata ttctgggttaa caatgcaggg attcttggag ctgtaattaa agacactg 238

<210> 19850

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700956309H1

<400> 19850

gcacaagagt ctccaatccc aactctctct ctctctccac ttgccaaagg aaaaaggcta 60  
 aagagaaaacc cacacacaca cacacacaca gaaatatgtc ttccccaagc aagcgccgag 120  
 agatggactt gatgaaactg atgatgagt attacaaggt cgagatgatt aatgatggaa 180  
 tgcaagaatt ttatgtgcaa ttccatggac ccaatgacag tccttatcat ggtggtgtg 239

<210> 19851

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700956310H1

<400> 19851

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 catcagcatc tcttctcaag tcttcacttg ttcttgataa gtctgagtgg gtgaaggagc 120  
 aaacacttcg ccaaccttct gctgcatcag ttgtgagatg caaccccacc accccatcag 180  
 gcctcaccat cagagctggg tctatgctg atgagctcgt taagaccgag aaaa 234

<210> 19852

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700956311H1

[illegible]

<210>	19853
<211>	237
<212>	DNA
<213>	Glycine max

<400>	19853
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<210>	19854
<211>	239
<212>	DNA
<213>	Glycine max

<400> 19854

<210>	19855
<211>	240
<212>	DNA
<213>	Glycine max

065311 03

aaaaataacc	caaactctct	tttaaaaaaa	aaccggaaca	catagaaaca	gagaaagttt	60
ttgaagcgct	tccagtggcg	tatttacggt	tatacccttc	ttgttatgat	agcttccaat	120
cggcgctcagc	acagagccga	agctcttggc	ttccacacat	attttcggtc	ctgtcgattg	180
agatacaaag	ccgccaagcc	agccgagcca	atcttcaaat	tccaacttta	cccctaccgg	240

<223> Clone ID: 700956316H1

<400>	19856					
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tgcgtaggttag	agaacaggga	gaggtacgag	atattctcgc	aatacctcag	gttcatccgc	120
tcccacaaca	agaaccgctt	gccctacact	ctctctgttg	atcatttggc	agatggtaat	180
tgtgctgatg	tcaactttca	gtgagtatgc	gctgctcaaa	attgctct		228

<223> Clone ID: 700956317H1

<400>	19857					
gctagagcat	atatccttgt	aaaaatatgt	aagaaaattt	agactcagaa	aagaaaaata	60
tttgaaggac	aaattttagt	ttcacaacag	aataggcatc	tttattatta	ccaagaaaaa	120
ggagaaattg	tccttggctt	.attaaaccct	gtttgatgct	tgttccaaac	ttgagaaata	180
tttggaatatt	gagatttgaa	atacaagatt	agtgttcagt	ttgat		225

8456

<223> Clone ID: 700956277H1

<400> 19858

cagtcacaat ggtttcttct aattgctact atcttgctt ggtatgctgc tgtgttctgc 60  
 tgctgctgaa cccaccgtg ggggagcagg acgagcagaa cttggtgctc cagtaccaca 120  
 aaggcgcgct cctcaagggg aggatcacgc ttaacctgtt atggtagggc agcttcaagc 180  
 caatccaacg ctccacaatc gttgacttca taaagtcgtt aagctcctcc ccggggggccc 240  
 cacttc 246

<210> 19859

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 700956245H1

<400> 19859

cttcttcgct gcaactctct accttcctc tttttccgaa tctgaataga aatggcttcg 60  
 gagactgaga cgttcgcttt tcaggccgag atcaaccagc tcctcagtct aataatcaac 120  
 accttcaca caacatag 138

<210> 19860

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700956246H1

<400> 19860

agctncaccg aatcggtcgc aggcaccaca ccactgtcca ataagtcaa catgggtcaa 60  
 gtgggttctc tatcttccga aatggagaca ctgaatcatg tcctagccct agtggaggca 120  
 ttccgagcat ttggcgcgga caacgatggc cgaatcacgc aggcagagct aggaggaatc 180  
 ttgggggtcac tcgggtacaa ccctagcgag caagaagtta gggcaatgat tgaacacggc 240  
 gacaagaaca 250

<210> 19861

<211> 251

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700956247H1

<400> 19861

atatagccca agccctatac aaccaaacc taacacacac ccatttgatt cagtttccat 60  
 ggctagcctc aaggttgcat ttttggtgc agtgctctgc atggttggtg tgagtgcacc 120  
 catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctgatca attgcatcgg 180  
 ttacctccag aacggaggaa cgccgccgtc gggatgctgc aacggagtga agagcctcaa 240  
 tgccgccgcc a 251

<210> 19862  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956248H1

<400> 19862

cagattttca tgctcctcct ttcattaaat taaagaacag tttctaggta tggaaactct 60  
 ttcatatggg tcagcaccat gctgccaaagt tgtgaactca aagtggaaat tagttgaaaa 120  
 gagtttgagt tcacgtcaat caagagtttc ctctatagga aaacttggag tttattacac 180  
 aggtactatt tctgcatgtg cgcctgtgag attttatgag atgggtacta ggggtgcagct 240  
 aagaagctca aa 252

<210> 19863  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956249H1

<400> 19863

tgatgagttt ttgaaaccta ggattgcaga ttttggactt gctaagggtta ttcaggccaa 60  
 cgttgtcaag gattcctcca ctcatgtcat tgccggaacc cacggataca ttgctcctga 120  
 atatggctac acgtacaaag tgaatgagaa gagtgatgtg tacagctttg gagtgggtgtt 180  
 gatggaacta gtaactggga aaaggccaac tgaaccagaa tttggggaaa ataaggacat 240

agtgagctgg gttca

255

<210> 19864  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956250H1

<400> 19864

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gatgaaggtg cagtgccacc aaatgcaaca ttgcagatta ctcttgaatt agtttcatgg 120  
aaaactgttt cagaagtaag tgatgacaag aaggtcataa agaagatcct caaggaaggg 180  
gaaggatatg agcgtccaaa tgagggggcc attgttaaag tgaaactaat tggtaagcta 240  
caagatg 247

<210> 19865  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956251H1

<400> 19865

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ttctttttat ctctctctct cacaatttc tttccctttt gttcactcaa aagagcagat 120  
agggacaaga tcccggaaag gcgagccaac gtcagagaga ctcatcagtt ctcaactcgt 180  
cggcgctttt gctttgcttt gcttcattcc tttcatcgtc atcataaagt tcgttccttt 240  
ctcagttttc 250

<210> 19866  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956252H1

<400> 19866

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gcttgaccg ttttgggaga tcacggtggc gagggcttgt cgctctggga ggctcttccc 120  
tctgtcgccg tcgtcggtgg acagagttca gggaaatcgt cgggtgctaga aagtgttgtc 180  
gggagagatt ttctgcctcg tggatctggt attgttacac ggaggccact agtgctgcaa 240  
cttca 245

<210> 19867  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956253H1  
<400> 19867

caaagagaca attcaactta agagatcaat atggccacca ccactaccca gcctccctct 60  
aatatctgtt ttttccttct gttgttgctt ctagcacact ttcatttggg cataagccaa 120  
cttgagctga attactactc taaaagctgc ccaaaagctg aagagatcat caaggaacaa 180  
gtcacacaac tatataacaa gcatggaaac actgccgttt cgtgggtcag aaatctcttc 240  
cacgatt 247

<210> 19868  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700956254H1  
<400> 19868

gggagactga atccagaaac ctacaaattt tttgatgcgg ttgagaagca ttatggaatt 60  
cacattgagt acatgttccc tgatgcggtt gaggttcagg cattagtaag aactaaaggg 120  
ctctttctcat tttacgagga tgggcatcaa gagtgctgcc gagtaaggaa ggtgaggccc 180  
ttgaggagag cccttaaggg tctcaaagca tggatcactg gacagagaaa agatcagtct 240  
cctggtacta g 251

<210> 19869  
<211> 176  
<212> DNA  
<213> Glycine max



<223> Clone ID: 700956255H1

<400> 19869

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ggcatcttca ccggacacca gcaaaaccat aaagctgatg cggtacaaca gctacctccg 120  
cagactcaac agcttcaaac tccttaagac atccttcac ctcctcctcc tcgtct 176

<210> 19870

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700956258H1

<400> 19870

gatcgctcca tgaagctcat tgcggagctt ccagaatgca gcacgcttcg agttcctaag 60  
atttacacga tttttggtgt tggtgggatg ttgaagctgt tggctggatc atatttgctg 120  
gttataactg 130

<210> 19871

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700956259H1

<400> 19871

caagacactt acttccaaag atcgatttga gatgtgggga gatggattgc aaacaagatc 60  
cttcaccttc attgatgagt gtgttgaagg tgtactgaga ttgactaaat cagacttccg 120  
ggagccagtg aatattggaa gtgatgaaat ggtcagtatg aatgagatgg cagagattgt 180  
tcttagcttt gaggataaga atataccaat ataccatatt cctggcccag aaggtgttcg 240  
gggccg 246

<210> 19872

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700956260H1

<400> 19872

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tcaacatcgc gaatcccacc actggatgcc agaagaagct cgagatcgac gacgatctga 120

aactgagcgc attttgggac aagaggatct cacaggaggt catcggagat gcactcgggtg 180

aggaatttaa gggctatgtc ttcaaaatta ccggagggtc gtcacaaaca aggatttcca 240

atgaagc 247

<210> 19873

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700956261H1

<400> 19873

aaaaatgaaa gcccaaagtg cttctctcct ctgtcttttt ctctctcttg ctatcctttt 60

ggctagtggc actgctgcaa gtgcaactcc aagaagcgca gtgccaagcc accatgtttc 120

aacattcaac agaagccttt ttcttccac ttttctcttt ggagttgggt cttctgctta 180

ccaggcagaa ggagcagcaa gtgtagatgg gagaggacca agcatatggg acacctacac 240

tagacagc 248

<210> 19874

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700956262H1

<400> 19874

ggaatgcagg acattctcct gtttacttgt tttcatctag agtgaacgac ggaatttgtg 60

attgctgtga tggaaccgat gaatcagatg gtcaagtaaa gtgtccaaat acctgctggg 120

aggctggtaa agttgctaga gacagactga aaaaaaagat tgccacttat caagaggggtg 180

tcaaattgag aaagcaagaa attgaacaag ctaaagtagc tatggagaag gatgaggccg 240

aacttt 246

<210> 19875  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956264H1

<400> 19875

tggccacttt cttcacccaa acctccttcc cctcccactc tctctccaaa actttcgata 60  
 cccatttcgc accatccacg aaagtcaacg tatttgcgaa cttcccggcg aggaggcacg 120  
 tggggggttcg agtttcgaac gcgctgatcg aaccagacgg agggaagctg gtggagcttg 180  
 tgggtgagggg taattcagaa agagacttga agaagggtga ggctctttcg ttgccgagga 240  
 tcaagc 246

<210> 19876  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956265H1

<400> 19876

ctagagcgag aaagtgagag gagagagaaa gtagcagatc ctccatggcc tccaccaagg 60  
 aacgtgaaaa cttcgtctac gtcgccaagc tcgccaaca agccgaacgc tatgaagaaa 120  
 tgggtggaagc aatgaagaat gtggcgaaact aaacgtggaa ttgacggtag atgagcggaa 180  
 ctttctgtcg gttgggtaca agaacgtggg ggtgctcgt aggccttcgt ggaggattct 240  
 ttctt 245

<210> 19877  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956266H1

<400> 19877

gccgaggagc atgtgttttag ccaccactgg atccgcatga ttaattctgt tttcgataac 60  
 gtagcgaaga agagaaaaag ggtaagtagg aggacgaaac gatggggttag aggatcttat 120  
 gggacggaat tttttattgc atgtttagc gatgagtatt gagacagagg gagcatttac 180

tgtggtgccg gagcatcaat ggaaaacgac aaaaacgttg.attggtgggt cctttcttct 240  
tcaattcaat 250

<210> 19878  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956267H1

<400> 19878

aattcaacgt cctttggaac gcggtgtgatt cgtataaaac aaacacacat atcacataat 60  
gttcccgag agttttaaca ttagtggcgg tggtgccggg cttgaacaac tgttgagcc 120  
tcatcacttc ccatctccaa tggaacaaca acaacaacgt tccaggtgga aaccagcgt 180  
cgaggtggca cccaattgcc ctgctgcgc ctccaccaac accaaattct gttactacga 240  
caactaca 248

<210> 19879  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956268H1

<400> 19879

gtccagatta gtaccacaaa aatggagaaa tagaataact gaatatcgta tagctcaaaa 60  
taaagattta accaaatgca attcatatga aaaaagcaga ttaattcttt acaaagaaca 120  
acaagtgaaa cgcattaaaa aacaaaaatt atgaaaacaa tatcagagta cgatctttct 180  
atcctcataa ttttgatcaa ttgatgcaga tcaagagaag agctcatagc atttacatgg 240  
ataatagatc cctatttaca agt 263

<210> 19880  
<211> 221  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956269H1

<400> 19880



<210> 19884  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956274H1  
  
 <400> 19884  
  
 aaagaatgta actggcatct accactactg gcaggaaaag aacatagacc gaacattgtg 60  
 gaaactcggg accttgccac ctggactgct gacattttat ggattaactg agcccttgga 120  
 tccatcatgg catgttttgg gttttggcta caccaatggt gatcctcagt tgatagagag 180  
 gggagctgta ttacatttca atgggaactc caaaccttgg ttgaagattg ggattgagaa 240  
 gtaca 245

<210> 19885  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956275H1  
  
 <400> 19885  
  
 ctttttctca cccaaatcca cgcttccctt acaccgcgtt tggatctccg ttatacaaac 60  
 tcattaaaat gttgcgagag aaaaacaaaa cagaaaaaaaa attcagttaa ttattaaatt 120  
 ttgttatggc tttccacgac catctccagc acgagatagc gttccagcgt ttcacggagg 180  
 agcaagagtt gaacgagaat agagacatgc aacagaggct cccacctccg acatggctca 240  
 acaacg 246

<210> 19886  
 <211> 138  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956244H1  
  
 <400> 19886  
  
 cttccagata gtcagcttca aataaaaaat aatttgcaag ccaaataaca gaacgtgttg 60  
 cacgcattag ttacttatgg gatgagactt gcctcactaa aatgcattga accacctaaa 120

ttggatgcta atagaata

138

<210> 19887  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956207H1

<400> 19887

gaaagtttgt ggcggatgga gtgttcttcg ccgaactgaa cgaggttctg acacgtgagt 60  
tgccggagga cggttactcc ggcgtggagg ttatggttac gccgatgagc accgagatta 120  
tcatcagagc caccagaacc caagccgttc tcggtgagaa gggaaggaga attagggaaac 180  
ttacctcagt ggtgcagaag aggttcaaatt tccccgagaa cagtgtcgag ctttatgctg 240  
agaaggtcaa ca 252

<210> 19888  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956208H1

<400> 19888

tcaattataa gcatggggtt gtggaacaca acgaatgcag tgtcttgccg ctttcacaag 60  
tttggtgatg accaaaagaa tctgggtcttc caaggtgatg ccacgtcttc ttccaggggc 120  
atagtactca caaagttagt acggtggagg aataccagtg ggtggcagtg tggggagagt 180  
gttatactct tctccagtgc acctttggga aagctctaca gtggtcgcaa gctttgaaac 240  
cgacttcacc tttt 254

<210> 19889  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956209H1

<400> 19889

gaagaagaag aagcactgtg attctgattc tctctccgtc gttgcaactg gtgcctccgt 60





attcagatct tagggtttca attttttttt ctgtggagcc ccattggcca tagccgccag 60  
ccagagaaga gtagaagcct tcgatactag gttttctttc cccccctttc tcccaaatacg 120  
gacctttttc gcttctcgat tcgcttccgt agccgggcca tttgaggacc cagaaaagaa 180  
cgaaccgaac gttttatatt ttttcggata atcaatcgaa gatgtctcgt tgcttccctt 240  
tccccctcc tggg 254

<210> 19893  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956213H1

<400> 19893

cttgcttcca cttctgattc agaaactctt aggcattcca cattctcaac cccggaccct 60  
atgagcagag cgaaaatgac aaccaccttc gcgaccgtcg caggactcgg tggcgatta 120  
ctgtcatcca cctcatctcg tctcagctca gggtttgtga aatccccagt gattgctagg 180  
aatcccttga ggcaagctgt ggcaatggga aatgggagga ttacatgctt tgagaggaat 240  
tggtgcggg caga 254

<210> 19894  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956214H1

<400> 19894

cccaatctca atctcattca ttcctccaac tccaaaccag attccccctt ctctctctct 60  
ctctctactg aacaaaaaga aaaagtgaga gttcagaatt tttaaattct acctatttaa 120  
ctacctcgca taaaaattca cgtaacattc tcttctgtgt cctaatacgga actcgacaaa 180  
attttgttat agtgatgtga tgatctttaa gggtttttga attgcatggg gtctgggaaa 240  
cgatgacgat gacg 254

<210> 19895  
<211> 252  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700956215H1  
 <400> 19895  
 ctctgagcgaa tcggctcagg gcgtaccgtg tacgtatctg cagaaagtga atgaaaggta 60  
 atgggggaag aagggtgcaa ggtatgtgtt acaggaggca gtggttacat tggttcctgg 120  
 ctcatcaaga agctactggc caagggtac acagttcatg caactctcag agacttgaga 180  
 gaatgagtca aatgttgccc tcttaaagag ccttcacaa tcagaaggaa agatggtgct 240  
 gtttgaagct ga 252

<210> 19896  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956216H1  
 <400> 19896  
 ctttctctct tctctctcca cccaaccct aactcccgac cctgttcccc tctcgatccc 60  
 gtcataaag gaggaagtc caagaccgaa tctaagagag ccgatcccaa acttgctgtg 120  
 aataagaagg gagccgccac caaggctagg aaaccgccc gcaaggggaa ggcagcgaaa 180  
 gaccctaaca agccaaagag gcctccaagt gcttcttcg ttttcatgga ggagttcagg 240  
 aaggtattca acaaa 255

<210> 19897  
 <211> 77  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956217H1  
 <400> 19897  
 ctctgagccga ttagaagtat aacatgagtg atttgtagcc ttatggcaag gttggatatg 60  
 aaggcttcct catattc 77

<210> 19898  
 <211> 252  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700956218H1  
 <400> 19898  
 ctttctcttt tgcattctct ctgaattcgt atgccatgga gacacccggt aacgagcatg 60  
 tgggtgggtgg cgcagaaccc aacgacgtcg ttacgccctt ttcccacaga gaagaaccgg 120  
 acaattccca acccctcacc ggcgacggtg ccagtcccg aaagatattt ataggtggtt 180  
 tagcgagaga aacgaccatt gcccaattta tcaagcactt tggtaagtat ggtgagatca 240  
 cggattcagt ta 252

<210> 19899  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956219H1

<400> 19899  
 ggaaagtcaa ggtagaggcc ggtttcttgg atctgtacac ggacagggag ccagggtgcg 60  
 ggtactgtaa gtactctgcg agggaacagg ttttgggaga ggtgaagcgg ttgatggaga 120  
 agtatgcgga cgaggagggtt agtgttacga tagccggaca tagccttggg agtgcgatgg 180  
 cggatttgag tgcctttgat attgttgaaa ctgggggtgaa tgtggggaag gatgggagaa 240  
 aagcgcatgt tt 252

<210> 19900  
 <211> 98  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956220H1

<400> 19900  
 gaaatgtgga agggcaacaa tggagcccat tgaatccgaa tcagttagtt cctccgccaa 60  
 agaccacgaa gtgggtgaac ctgcttcac tgttcacc 98

<210> 19901  
 <211> 251  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700956221H1  
 <400> 19901  
 ggtgtttttg aaacgtgctt aaaccgtgat ggggtgctgtt gtggagtgtt acgcgccgcc 60  
 tcgcacggcg gtgctgtccc tcaacacgct gccgttaggg ttccgtttcc gtcccaccga 120  
 tgaggagctt attgactact acctgcgctc gaagatcaac ggaaatagtg acgatgtttg 180  
 ggttattcgt gagattgatg tctgcaaatt ggagccttgg gacttgcttg atttgtcagt 240  
 ggtacggaac a 251

<210> 19902  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956222H1  
 <400> 19902  
 ggagtgtcca attgaggggtg aacaatgctg aattggctca aagatctgca ccagcaatgg 60  
 aacatgggtg gaagttacct agagtctcaa gcagtccatt gctcaaaaca cttggatctc 120  
 aaatgggtgc ccaagagaac aagaattcag caattcatca ggaacaagga gaaattggaa 180  
 ggggcaaattc cccaggagga tccacaattt ccgggcccaac cccaaattgg g 231

<210> 19903  
 <211> 103  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956223H1  
 <400> 19903  
 gtttttaaca tgggtcaattt aagttgcatg tgcccatgat gcattagcac catgcatgta 60  
 tgtttaattt aaacataata atatatgcta tattgaggtt tta 103

<210> 19904  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956224H1

<400> 19904

cgtcacgnag acatcttcgc gagcgactcg atcgagctgt tgcgccagtg cggaatcgac 60  
ttcaagaaga acagcgagaa tggaatcgac gtgaaccggt tcggggagct cctcatgtcc 120  
tccgggatcg tggtgaacga ctccgtgcgc tgggttacct tccacagcgg ctacgatttc 180  
ggctacctcc tgaagctggt gacatgccgg agcttgccgg acacgcagge cgggttcttc 240  
gatctgatca a 251

<210> 19905  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956226H1

<400> 19905

gtggggaaga gttagtttct cttctcttcg atggaaggcg gggaagaggt tctcccttcg 60  
gccactgccca cctccgcgc caccggcaat cccaccgctt cgcctcctcc gctcgctttt 120  
cttctcggtg ctccccctct cgctgctgcc tcggacgacg tcgttaccca acctgaaatt 180  
cacgcgctga tttcagacga agagcacgat cacgagcatg aacatgacga tgacctcgag 240  
cacgagcacg at 252

<210> 19906  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956228H1

<400> 19906

cgcaagtatt cctccaatct ccgtcgatca ccaccaccat gtcgtggctc ctccgatcca 60  
ccaagtctaa gctcctctct tcctcttcct cttcttctct ttctagaacc ttccccctctc 120  
tcctcgccc tcagatcgga gccatctctc ccctccccga tcttttccac cgcaacaccg 180  
ccattatgcc tttcggaag gaaaacgctt ccggtggaaa cttgaccggt cttcccaaag 240  
ttcccgcgaa ta 252

<210> 19907  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956230H1

<400> 19907

ggcgagtagg gaagagcgaa gagtgaggag aatgggtccc aagggtttaa cctttctggc 60  
 tgtgttaata tgcgtttcag cactgtcact gagtgttctt gttgcggggg aagggaacaaa 120  
 taatggcctt gttatgaact tctacaagga atcatgccgt caggatgaag acatcatcac 180  
 agaacaagtc aagcttctct acaagcgcca caagaacact gctttctctt ggctcaggaa 240  
 catcttccat ga 252

<210> 19908  
 <211> 112  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956231H1

<400> 19908

cttaagttag aaggacttga gttgttataa ttaacggaag gaacccatat acaactaaga 60  
 agaagatgaa gaagaagaag gtctctcaat caaagtgatt gaaaagaccc aa 112

<210> 19909  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956233H1

<400> 19909

tcacattcac cctttgttct tttggcttac cctgtaaag gaggaggaga aacagagagg 60  
 caaagggcac agactattgc tgatgccatc accattacaa ggccacataa caccatttct 120  
 ccacctcggg gacatcctct tctcaaaggg cttctccatc accattctcc acaccacata 180

<210> 19910  
 <211> 250

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956238H1  
  
 <400> 19910  
  
 ggatccccct gtgggttgca cgcgcgaccg accctgatct tctgtgaagg gttcgagtga 60  
 gagcatacct gtcgggaccc gaaagatggt gaactatgcc tgagcggggc gaagcagagg 120  
 aaactctggt ggaggcccg cgcgatactg acgtgcaaat cggtcgtctg acttgggtat 180  
 agggggcaaa gactaatcga accgtgcagt agctgggtcc ctccgaagtt tccctgagga 240  
 tagctggagc 250

<210> 19911  
 <211> 225  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956239H1  
  
 <400> 19911  
  
 tcgccgaact gaacgaggtt ctgacacgtg agttggcgga ggacgggttac tccggcgtgg 60  
 aggttagggt tactccgatg cgcaccgaga ctatcatcag agccaccaga acccaagccg 120  
 ttctcgtgga gaaggggaagg agaattaggg aacttacctc agtggtgcag aagaggttca 180  
 aatttcccga gaacagtgtc gagctttatg ctgagaaggt caaca 225

<210> 19912  
 <211> 118  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956240H1  
  
 <400> 19912  
  
 ggataggatt ggggagagag gataagacat taacagcaac actgagctct aactcgaatg 60  
 gcggttgac taacgagttg catttcctca tctcggctc tagtctccac agttgaat 118

<210> 19913  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956204H1

<400> 19913

cggaatgga agaggggtgac agtgaggcca ttttgggtgc tcttaatctg aacccgcaac 60  
tcttctgtaa cgaagttctc aacattgtcg acgatgtgct cgacgaagct ttcaatttct 120  
tctaccagga cgcattccacg aagctcaaca tcgaaggcac ccaaagggtcc caggatctga 180  
aaaagggtgt tgattgcgtt cggctgaatg ttcaatctgt ttgcgacaaa caacttgctg 240  
cttgggagag tt 252

<210> 19914

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700956241H1

<400> 19914

ctgaaaatga ttcttcttta cagtaaattg cattcagtat gctaagagat tatgacaatt 60  
acgtgttatt atactggcaa ataatagaat tgcaggctaa caaacttata tattgttagc 120  
attacataaa aaataactga tggttaaggca gggggattta taagatatta ttgcccagta 180  
taataacacg taattgtcat aatttcttag catttgaaat gccatttact gaaaatgatt 240  
cttctttaca 250

<210> 19915

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700956243H1

<400> 19915

attattatta gggtttggcg attcagagag aaagagaaat gggagaacga taaggaatcc 60  
caattgctct ggggctcttg gcgatgctcc tcttcttcat tgcttcttcc tcttctctc 120  
acctcgttcg tagattccga tgacgccgac gacgcgatct tctacgagtc attcgctcgag 180  
gattttgacg gacggtggat tgtgtccgac aaggacgatt actacggtgt ctggaagcat 240  
gctaagagtg 250



<210> 19916  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956162H1

<400> 19916

caactagggg aggggtccct ccgccaaacc caaagaaaga gtagaagaaa cctacaaaac 60  
tcattcttat aaacaactcc gtttgtcact ccggcggcct tagcaatcac tccctccgtt 120  
ttgcgttttg gattcattta tctgctgctt tatcttaaag gccaaagcat aaataacctc 180  
tctctctctc tctctctgtg agattgagaa tccgatcctt cgtttccgaa attctcgcca 240  
gatggacgag aacctgctcg 260

<210> 19917  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956163H1

<400> 19917

ctcgccatgt tccttatcaa gacatggaga cagacggcct tcggtgtttt tgggtacctg 60  
aatttcacca agctggcct ccttgatcat tctaagaaat tcaaccaga ggacatggaa 120  
ttacgaatac caggaagaa ttgcattgtt actggagcta actctggaat tggctatgca 180  
acggctgagg gtcttgcaaa gcgtggcgca actgtctatc ttgtatgtcg taataaggag 240  
agaggagagg ctgctct 257

<210> 19918  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956164H1

<400> 19918

agcggggttg gtttcatcta atactctcag ggagaataat ttccatcact ttgagtatat 60  
gtgtaccaag aaagatccat ttttttctgt taacaagact gcaatttcac tcttttctga 120



actgagtcct tctgttgccg gggaagggca aaataatggc cttgttatga acttctacaa 120  
 ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180  
 ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag 240  
 ttgtgatgct tcaactgttg 259

<210> 19922  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956171H1

<400> 19922

tgctatcctg gcgttagttc aaatgccatt catctgctct ggaaatggca gcgaaatgac 60  
 cgtaattcaa ctggcaagge cactgccagt gtgcaacccc agttgtggca accttctagt 120  
 ggcaccccta tgactaatga cattactgat aacaataccg aggatgccgt cccctgcttt 180  
 gctctgtcga aaaatgattc ttatgtaatg tcagcatcag gagggaagat ttctctgttc 240  
 aatatgatga cttttaaga 259

<210> 19923  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956173H1

<400> 19923

atcatatcgc aaattcgcca agaaactggc gtgaaactta ggatcgagga agctgttccc 60  
 ggggtgtgatg aaagggttat cactatctca gggtctgaaa aagagactga agaagataac 120  
 actgaacagg gaaaggaggt taatgataat gatgatgggtg gaagcgaggg gaaggatc 178

<210> 19924  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956174H1

<400> 19924





<210> 19930  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956184H1

<400> 19930

gaaaaagcta ctgatttttc ttctcatcga ggttgttttc tttgctgccg ttgctcttat 60  
aacaatgctg gcattgcatg gcactcgcca aaggctcgta gtggttggtg ttctctctga 120  
tatcttcaat gttatgatgt atgtctcccc tcttacaatt atggcaaagg ttataaaaac 180  
taagagtgtg aaatacatgc caatctggct ctctctgggt aacttcctta atggtgc 237

<210> 19931  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956185H1

<400> 19931

ggatttcgca cgtagctagc tacagaagac aaaggagcct tgagtctcga gatcttgtca 60  
gatecggaacg caacctcaac ttccaccgag attgctttgt gtgttctggg aagggaagtt 120  
actggcatag aggttatgga aaagaagcca aatggtgcc aatggcagtt aaatggcagt 180  
ttaagtgata gaatgcgtgt ttctcccaa attgcagcaa tgggttcaagc aatggatcat 240  
gagataaagg aatctgct 258

<210> 19932  
<211> 189  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956186H1

<400> 19932

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ttgatgctta ttttttacca tatggcaatg tgagtccatg tcacttgctt aggccatcac 120  
ctaccactga taattccatg ccttggtatt aaccaacca caccatttcc ctcttctcac 180

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189

<210> 19933  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956187H1

<400> 19933

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cacttcgctt gaatccatgg ttgatttcag cacttccaag cttggaaata atgttgagg 180  
tgtgtccaca gaagtggaca aggaaacggg attgcagaaa tacaccgtag caccgggagt 240  
gaagaagtta tcaggggaca aggctgttgt 270

<210> 19934  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956188H1

<400> 19934

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gagcacaatc caccaaacac aactcgttg cgaagggtgaa gacaaagagt tcagtttctg 120  
gggtcatca aacatcatac cttctgaaaa tgattgtgat caaccacaag gtaatgaatc 180  
aaggctcaaa aaggaagcat actttggaga aacacaccaa agaaaaagcc ttaaataatga 240  
gtattcacgg ttttgttcaa c 261

<210> 19935  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956189H1

<400> 19935

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[illegible]

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catgctttga	gaagcaggct	ttctgatccc	aacaatatgt	tgcagagttg	ggaccaaca	180
ctggttaatc	cctgtacttg	gtttcatgtt	acctgtgact	ccaacaatca	tgtgatccgc	240
ttagacttgg	gcaa					254

<210>	19942
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<212>	DNA
<213>	Glycine max

<223> Clone ID: 700956201H1

<400> 19942

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ccacctcggg	gacatcctct	tctcaaagg	cttctccatc	accattctcc	acaccatata	180
c						181

<210>	19943
<211>	267
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700956122H1

<400> 19943

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atggattggg	gaaacgtaac	cgcgaggagat	ctgatcgacg	cgctccgtga	ggaggattgg	180
tcgtcgccgc	cgcgcctct	gtcggaattc	ttctcgcgat	tcaccgttcc	caggtcttcc	240
tccaaatgga	acagccgcct	caaatgc				267

<210> 19944  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956124H1

<400> 19944

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ttcgacgttg tcccccttcac ccacatcctc cacctcgccg ctcaggettg cgtecgctac 120  
gccatgcaga accccaatc ctacgtcacc gccaacattg ctggcttcgt catccctcct 180  
cgaggctgcc aaatccgcca atccccaacc cgccatagtc tgggcttcat ccagctccgt 240  
ctacggcctc aacacccaaa accct 265

<210> 19945  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956125H1

<400> 19945

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ctcactgcag attctttcct ctttttttat agtacagtac taggcatttg atgaggacat 120  
aacggaaggg cttatataag tttatgtttc aaatggcagt attgatagga taaagattga 180  
gttttcgtta attgttacca ggtgatacct aaatggtaag ctgacctaag cgaaaatttg 240  
ttccattctt tccaatttct taaaag 266

<210> 19946  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956126H1

<400> 19946

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gtggccaccg ccgcgatggc ggggccgcgt ccgacgccga cgacatcctg atccgtcagg 120  
tggtgccaga tggtggcgaa gccgaagagg aggacaacct gctgaacgcc gagcaccact 180



ggaacacacc aaagttttct cccaaaccaa aacattcaat taggaagagg gttggacatt 60  
 ggtgaaccaa accagtttgg tgcattgaat aattccactt ctactcttc agcagcattt 120  
 gagagcatca acatgcagaa cccaaagagg tttgctgcac aattgctacc agactttgtg 180  
 gcctaaataa gacattgaag aggggataag atcatagttg gtgacattgg ttatatgggt 240  
 ctctcatatt ttcttctaata cca 263

<210> 19950  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956133H1

<400> 19950  
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 ctattgagtc atcatgggta aggaaaagac tcacatcaac atcttcgtca ttggacatgt 120  
 cgactctggg cagtcaacta ccactgggtca tttgatctac aagcttgagg gtattgacac 180  
 gcgtgtgatt gagaggttcg agaaggaggc tgctgagatg aacaagaggt cattcaagta 240  
 tgcctgggtg cttgacaagc tca 263

<210> 19951  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956136H1

<400> 19951  
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 caccatacct tggttcagatt ctgctcactt tcaccacaac ggctttacta tttaccgcgt 120  
 ttctgttttcg tgtcaccgca aataatgaaa ggaggtgttc cctgtatcca ctctcgtca 180  
 gggaagatct gaagcagtgct tagctgctca cgctctgtaa tggacgtgag gttctagatc 240  
 gc 242

<210> 19952  
 <211> 261

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956137H1  
 <400> 19952  
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 aattcagttc tggagtttgt gaggggtgatt agtgcaaagc agcaagtggg tgctggagtg 180  
 aattactaca taacattgga agcaaaagat ggtgagatta aaaatgagta taaagcgaag 240  
 gtttgggaga gggaatccca a 261

<210> 19953  
 <211> 137  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956138H1  
 <400> 19953  
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 tgtttaattt aaacataata atatatgcta tattgaggtt ttgaaaaaaaa aaaaaaaaaa 120  
 aaaaaaaaaa aaacaaa 137

<210> 19954  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956139H1  
 <400> 19954  
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 acctcattag tggcatagct ccaaattggc ttaactttca caacaagtgt ttattccaaa 120  
 aggggtgtgct gtctcatggg aacaagttaa ggggtggtcag aaaaaacttc actcccaaag 180  
 gcagcatgtc agcatcatca tcatcatcat ctaggcctgg ttctcagcca aggttcattc 240  
 agcacaagaa ggaggcattt tgggt 265

002220" E.F.F. 03200

<210> 19955  
<211> 153  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956140H1

<400> 19955

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ccggttttcc ggtgagctat agcagttcaa caacgtgttc ggccaacgag gcttcctacg 120  
ctccagtccc acctccccag cccaaacctc ttg 153

<210> 19956  
<211> 184  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956141H1

<400> 19956

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agtggttggg ctctgcaaaa attagctgca tgagctgggt tgggaaactc cgtttattct 120  
ccaatttcaa tccctttcac ttcattactt ctttggttaat ttttaccctc catttttcac 180  
ccca 184

<210> 19957  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956142H1

<400> 19957

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gacaggcaga gtgaggtgat tgtgtccagt ggggcacttg ggactcctca attgctattg 180  
ctgagtggaa ttggcccaaa agcagagctt cagaaattga acatccctgt tgtgcttgat 240  
aatcaatttg ttgggaaagg c 261

<210>	19958
<211>	262
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700956144H1

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tccaccgaac ctcttcggtt ctccgccccg atcctggatt caatcgtcga ttccagtttc	120
tcattctagt tgatcgagtt cgtaggtttt tatggtgctt cgttggacac acggtggcga	180
tttgcat tac tcaagtgggtg gtgggtggcac cgtgaattat tgagtctgat tacactcgct	240
ttgaaaaatc gaagagagaa at	262

<211> 261

<213> Gly

<223> Clone ID: 700956145H1

ggcaatggca atggcaggga ggagaatgat gtggcggggg agagctgccg ccaccgtcag	60
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aatggcagag aaaggggaagt gagtagatct cctggtagaa gatcatctga caccaccaat	180
actacaaatg caagcaacaa caacaacaac acaagttcta ggccctgggaa aatgggtgtct	240
gttccagcca ctgtttcatc t	261

$\langle 211 \rangle$       123

<212> DNA

<213> Glycine max

<400> 19960

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ttctttctcg aagggtaaag gataaaggga tgatctacac agcaattgac acgttccaca 120  
caa 123





ctcagagtcg tccagattga aggactgggtt atcctgaaga taattaagca ttgtaaggac 180  
 cactcgcctt ctttagtcac tggacaactt cttgggttgg atgttggcag tgttcttgaa 240  
 gttaccaact gcttcccctt tcc 263

<210> 19964  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956154H1  
 <400> 19964

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 tattcttctt ccacgaaaaa tcaaagatgt caaggccaaa aagcctaaag actgggaaga 180  
 aagagaatac attgaagacc ctaatgatgt caaacctgag ggatatgatt cgatcccaag 240  
 agaaattcct gacccaaatg ctaa 264

<210> 19965  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956155H1  
 <400> 19965

gcccgtgaga gtttaacgtc gaatcagagg cgtagagtgt aggggtgaatg cgagatggac 60  
 gctcccctgc tgctggacaa aggcgagggg ggcggcgctg gtgacggaga acggcgacta 120  
 cgtggcggtg agggagctga aggaggtgaa gaaggtgttc tggattgaga cgaagagagt 180  
 gtggcagatt gcgatgccca ttgttttcaa catatggtgt cagttcgggtg tgaattccgt 240  
 gaccacaatg ttcgttgga 259

<210> 19966  
 <211> 129  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700956157H1

<400> 19966  
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 ctgttaagaa agcgctgatt tctgtatctc attgtcttca agattgtccg ccattatgca 120  
 aagttccag 129

<210> 19967  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956159H1

<400> 19967  
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 tattactgct gtcattccat attttggata tgccagagct gatagaaaga cccaaggacg 120  
 tgaatccatt gctgccaagc ttgtagcaaa ttttaattaca gaagcaggtg caaatcgtgt 180  
 acttgcttgt gacctccatt ctgggcagtc catgggctat tttgatattc cagttgatca 240  
 tgtgtatggc cagcctgtta 260

<210> 19968  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956121H1

<400> 19968  
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 acgaggatga tgatgatgat gatgatatgg atgaagttta ctatggtggt tcgtccagtc 180  
 ttcgggttat tggcaaccgt agatggggag ataatggtta tgtcagggct ggtcgtcaag 240  
 aagctcggcc agtccatcgt ccaaac 266

<210> 19969  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700956083H1

<400> 19969

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acacaggtat ctagcaaata ggttctcacc agcaagaacc atggctattg gagaatggga 120  
aaccgcgggt gttgaccaag gagaataggc atggccgttc tgcacacagc atgtcctcca 180  
cgtctttgcg caagaagtct agccgaactc ttgtctccaa gcttccatgt gccacactca 240  
gaagcatcc 249

<210> 19970

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700956084H1

<400> 19970

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acgccctgaa cgttcgcgtg gaagggtccg gcgacaagta ccttgctctg gccacaggct 120  
tcggcacgga ccaatccgcg tggcagcgcg tgctccctta cttcaccgc aactacagcg 180  
tcattctcta cgacctcgtc tgcgcccggca gcgtcaacct cgaccattc gactaccgcc 240

<210> 19971

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700956085H1

<400> 19971

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gtcatggatg atggctctgc aaaattaaaa ttcatccctg atcattttca agttccaaca 180  
tcaagtatag aatctcctga gagcagaaca tcatttatta cagaacctgg aactgatcaa 240  
tctccaagtt 250

095611-03200

<210> 19972  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956086H1  
  
 <400> 19972  
  
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 acctcgacgg tatgtctctc atctcccggt gtcggtttcc gtacttcatg ctgctcgccc 180  
 tcgaagtcgt cagcctctctc cgcggcctca tctcgtcctt ctcaattgcy ttcgtcatca 240  
 tcgcctatct 250

<210> 19973  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956087H1  
  
 <400> 19973  
  
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 ttctacatga agcaaagaaa ccagtcattt atagagattt taaagcttca aacatcttgt 120  
 tagactcgga ttataatgca caactttccg attttggtt ggccaaagat ggtcctgaag 180  
 gagatgacac acacgtttca actagagtca tgggcacaca aggctatgcy gccccagaat 240  
 acatcatgac 250

<210> 19974  
 <211> 210  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700956088H1  
  
 <400> 19974  
  
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 gaagctatca acaaaagcca gaccatgtct ggaccctgt ctcaaagac atctcttgaa 120  
 aagagtgacc gtgttggttc attgaagaaa atgctgcgga attctctaac aaggagtacg 180

aagcgagcag cagcaaggtc atgtcggttg

210

<210> 19975  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700956089H1

<400> 19975

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atattgtttg aaaaagatgt gactcgtgag tacttggcga gttggcatgg ctctatttg 120  
cttttaggtg ccacccccag aagtagccta ggccatccta tgtaaattgc gaacttggtt 180  
ttacttttta gcccttattt caaaattcca cacacttctc tttcagaatc ttaccaatg 240  
ctataaatt 249

<210> 19976  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956090H1

<400> 19976

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cttatgctac cttgcttatt gaaggaacc atgttcgatt aagtggtcag gatgttgaaa 120  
gaggaaactt tagtcaccgc catgctgtag ttacgatca gacaacagga gagaaatatt 180  
gtcccctgga caatgttata atgaaccaag atgaagagat gtttaccgtt agcaatagtt 240  
cactttctga 250

<210> 19977  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956091H1

<400> 19977

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caggaggcac tcgaagcata ggtgagagcg cttctccatc cagagataga aagggtttttt 120  
ctacatcatc aaccccaaag agtccagtat tggcctctga aacggacaga aagctcacac 180  
aagcttgctt gcttactgta atgtaatggg tatagagagt tagtatctat taaattgatg 240  
gaagc 245

<210> 19978  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956092H1

<400> 19978

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gtggagaagg ccaagggtag gaaggaggag gttgtcactc gagagtacac catcaacctc 120  
caciaacgct tgcattggctg cacatttaag aagaaggctc ctaaagcaat taaggagata 180  
aggaagtttg ctcaaaaagc gatggggacg aatgatgtaa gaggggatgt gaagctcaac 240  
aaggctgtgt 250

<210> 19979  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956094H1

<400> 19979

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ttcttgctca aaccaacgac gctaacgctg aaaacaatct ctaccggtt gtttttctaa 120  
acgtcgatgg caaccttttt atctttgcca acaaccgctc tatcttggtc gattacaata 180  
agaacagtgt cgtgagaacc taccctcaaa taccgggtgg agatccatgg tggtatccta 240  
gcaccggttc cgc 253

<210> 19980  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956095H1

<400> 19980

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tccctcttcc tctcttaggt tcaacctct tcttcttacc tccacccct cttcttcttc 180  
ttcttctgc tccaacaacc tttctttccc cgctctctcc aggaacctaa ggtaatcggt 240  
agaagataga aagatta 257

<210> 19981

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700956096H1

<400> 19981

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gaaacgaatg aaatgatagg taggtggagg attgagagag tgcggtgttg gttcaccatg 120  
aggaagtttg gtgcttgaac ttgaaccga acattgcatg tcagacatag agaatggcca 180  
tgccccgaag agtccctcgt tatgttttag gatcgggtcca aaggaacatg tccttc 236

<210> 19982

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700956102H1

<400> 19982

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tcaccaatat gggattttaa taatggtgtc agtcataatg atcaagttga tacatcggcg 120  
gtcttacctc ttgtgcaaga agcccttgat ggaattgagt tcgcgagagg tgatccact 180  
tcaaaatggg gttcccttag agctgctatg ggacatcctg agccatttga cctcagatat 240  
gttgctgttg ggaatgaaga ttgtggaaa 269